



Date:

Revision



Can you read these numbers?

501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Date:

661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Date:

831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000



Exercise 1a



Date:

Example:



532

533

534

535

536

960

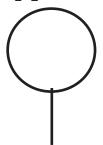
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962

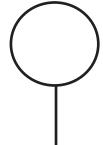
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964

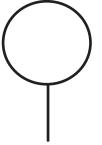
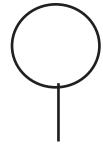
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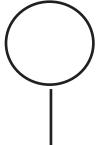
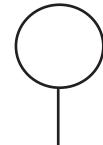
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6.



2.



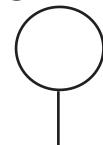
761



7.



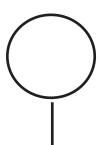
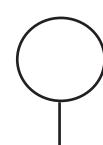
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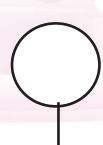
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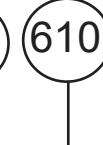
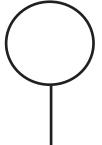
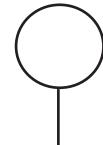
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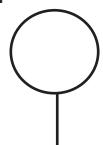
9.



5.



10.



Exercise 1b



Date:

Example:



733

732

731

730

729

951

950

949

948

947

1.

5.

8.

841

938

983

2.

6.

9.

3.

7.

10.

4.

6.

10.



Exercise 2a

Date:



Example:

523	—	—	—	527	523	524	525	526	527
—	—	—	—	643	—	640	641	642	643
									644

1. 663 — 666 — 11. — 540 — 543 —
2. 821 — — — 12. 932 — — — —
3. 796 — — 799 — 13. — — 899 — —
4. 958 — — 962 — 14. 609 — — 612 —
5. 549 — — — — 15. 819 — — — —
6. — — 696 — — 16. 773 — — 776 —
7. — 880 — — — 17. — — 588 — —
8. — — 970 — 18. — 877 — — —
9. 611 — — — — 19. — — 799 — —
10. — 512 — — 515 20. — — 898 — —





Example:

Re-arrange the numbers in order.

The smallest first:

506	503	505	504	502
<u>502</u>	<u>503</u>	<u>504</u>	<u>505</u>	<u>506</u>

1. 589 586 588 590 587
- _____ _____ _____ _____ _____

2. 825 821 823 822 824
- _____ _____ _____ _____ _____

3. 667 663 665 666 664
- _____ _____ _____ _____ _____

4. 775 771 773 774 772
- _____ _____ _____ _____ _____

5. 908 905 906 907 909
- _____ _____ _____ _____ _____

6. 520 518 516 519 517
- _____ _____ _____ _____ _____



7.	808	811	809	810	807
	_____	_____	_____	_____	_____
8.	598	596	600	599	597
	_____	_____	_____	_____	_____
9.	616	620	617	618	619
	_____	_____	_____	_____	_____
10.	939	938	940	941	942
	_____	_____	_____	_____	_____
11.	590	519	539	509	570
	_____	_____	_____	_____	_____
12.	819	809	899	815	850
	_____	_____	_____	_____	_____
13.	730	630	530	930	830
	_____	_____	_____	_____	_____
14.	593	953	639	802	712
	_____	_____	_____	_____	_____
15.	863	513	790	656	530
	_____	_____	_____	_____	_____



Example:

**Re-arrange in order.
(Smallest number first)**

642531531642982723723842842982

$$1. \quad \begin{array}{r} 912 \\ \hline 612 \\ 812 \\ 512 \\ 712 \end{array}$$

$$2. \quad \begin{array}{r} 800 \\ \hline 600 \\ 500 \\ 900 \\ 700 \end{array}$$

$$3. \quad \begin{array}{r} 627 \\ \hline 920 \\ 570 \\ 842 \\ 736 \end{array}$$

$$4. \quad \begin{array}{r} 415 \\ \hline 627 \\ 522 \\ 833 \\ 312 \end{array}$$

$$5. \quad \begin{array}{r} 538 \\ \hline 838 \\ 738 \\ 438 \\ 938 \end{array}$$

$$6. \quad \begin{array}{r} 831 \\ \hline 776 \\ 631 \\ 433 \\ 502 \end{array}$$

$$7. \quad \begin{array}{r} 514 \\ \hline 833 \\ 621 \\ 724 \\ 482 \end{array}$$

$$8. \quad \begin{array}{r} 667 \\ \hline 467 \\ 867 \\ 767 \\ 967 \end{array}$$

$$9. \quad \begin{array}{r} 539 \\ \hline 849 \\ 439 \\ 739 \\ 639 \end{array}$$

$$10. \quad \begin{array}{r} 807 \\ \hline 307 \\ 207 \\ 407 \\ 707 \end{array}$$



**Example:**

Write out the biggest number in the group.

641

736

902

621 → 902

1. 576 833 466 727 → _____
2. 417 637 917 836 → _____
3. 900 700 500 600 → _____
4. 731 626 815 512 → _____
5. 992 693 794 899 → _____
6. 711 1000 800 600 → _____
7. 102 302 602 802 → _____
8. 644 444 844 544 → _____
9. 292 492 692 392 → _____
10. 836 436 920 515 → _____

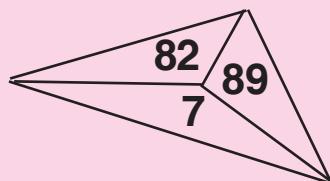
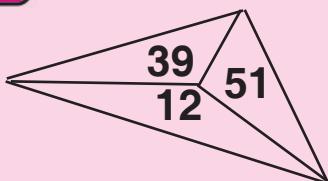


Exercise 4a

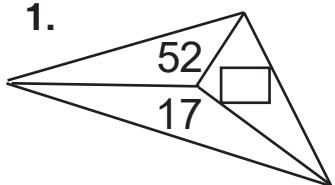


Date:

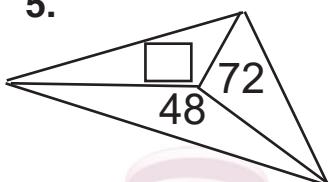
Example:



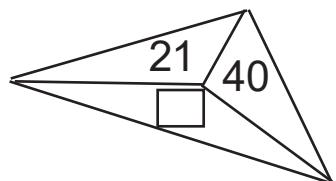
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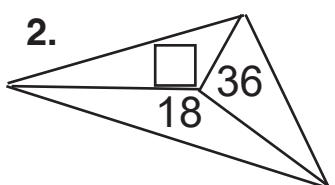
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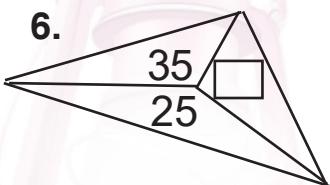
9.



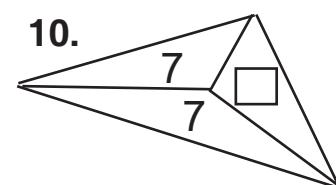
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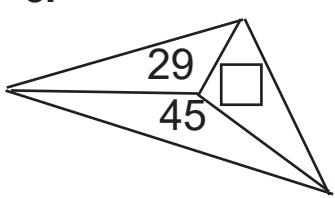
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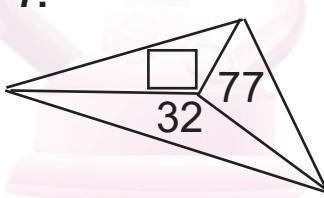
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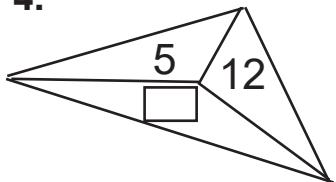
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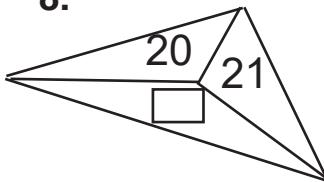
7.



4.



8.



NEW EDITION

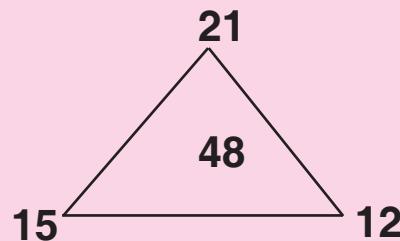
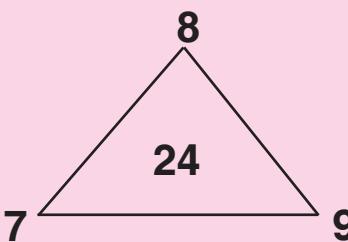
Score:

Exercise 4b



Date:

Example:



1.
12 36 12
2.
25 59 18
3.
21 7 14
4.
28 88 28
5.
30 12 10 20
6.
21 42 12
7.
9 27 9
8.
10 35 10
9.
9 2 16
10.
1 1 1

12



NEW EDITION

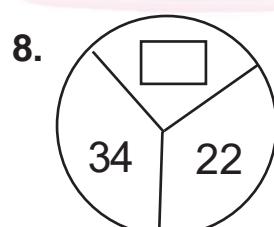
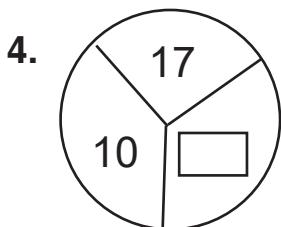
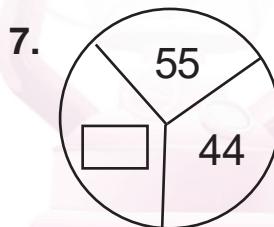
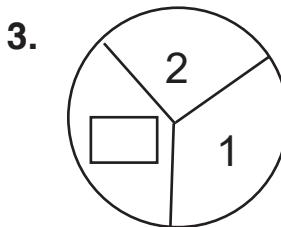
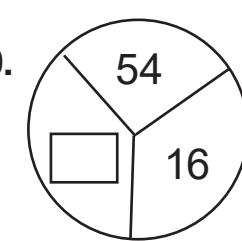
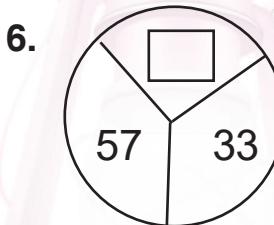
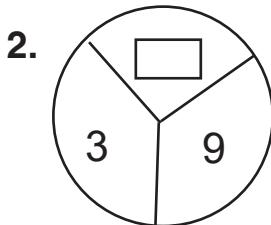
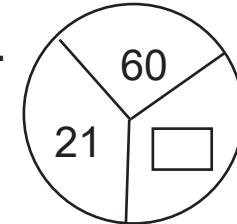
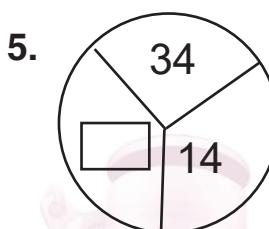
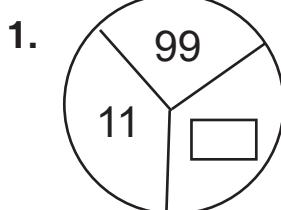
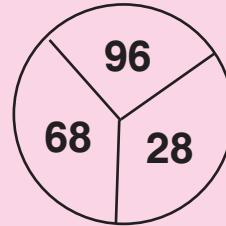
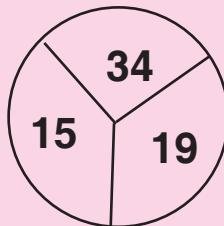
Score:

Exercise 5a



Date:

Example:

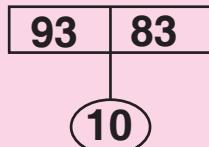


Exercise 5b



Date:

Example:



1.

<input type="text"/>	21
62	
4.

57	48
<input type="text"/>	
7.

95	<input type="text"/>
38	
2.

<input type="text"/>	24
44	
5.

77	66
<input type="text"/>	
8.

81	<input type="text"/>
5	
3.

<input type="text"/>	30
50	
6.

93	47
<input type="text"/>	
9.

66	<input type="text"/>
24	
10.

<input type="text"/>	79
4	



Exercise 6a



Date:

Example:



N60

N40

N20 ₦30

₵ 50

₵ 20 ₦70

€90

€20 €70

1.

N75

N25

6.

€20

€40

2.

N100

N50

7.

€75

€65

3.

N40

N55

8.

€87

€51

4.

₵ 80

₵ 40

9.

₵ 20

₵ 35

5.

₵ 90

₵ 60

10.

₵ 21



Exercise 6b



Date:

Example:



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



Exercise 7a



Date:

Example:



$$n = 4 \quad b = 3 \quad n + y = 4 + 6 \longrightarrow 10$$

$$y = 6 \quad a = 12 \quad a - b + 2 = 12 - 3 + 2 \longrightarrow 11$$

1. $n + a \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
2. $b + y \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
3. $\boxed{\hspace{1cm}} + n = 10 \longrightarrow \boxed{\hspace{1cm}} + \underline{\hspace{1cm}} = 10$
4. $b + a \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
5. $n + y + b \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
6. $b + n - y \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
7. $14 + a \longrightarrow 14 + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
8. $y + b + a \longrightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
9. $11 + y \longrightarrow 11 + \underline{\hspace{1cm}} = \boxed{\hspace{1cm}}$
10. $20 = n + \boxed{\hspace{1cm}} \longrightarrow 20 = \underline{\hspace{1cm}} + \boxed{\hspace{1cm}}$



Exercise 7b



Date:

Example:



$$n = 4 \quad b = 3$$

$$y = 6 \quad a = 12$$

$$n + y = 10$$

$$a - b + 2 = 11$$

1. $n + y = \boxed{}$

11. $22 = a + n + \boxed{}$

2. $y - n + b = \boxed{}$

12. $a + y + 10 = \boxed{}$

3. $a - b + n = \boxed{}$

13. $17 - a = \boxed{}$

4. $y = \boxed{} + b$

14. $33 + b = \boxed{}$

5. $b + 15 - 10 = \boxed{}$

15. $y + a - 5 = \boxed{}$

6. $20 - a = \boxed{}$

16. $n + b = \boxed{}$

7. $45 + b = \boxed{}$

17. $47 + \boxed{} = 50$

8. $y + 10 = \boxed{}$

18. $\boxed{} + 3 = 15$

9. $n + b - 5 = \boxed{}$

19. $a - y + n = \boxed{}$

10. $a - y + 7 = \boxed{}$

20. $b + y - 8 = \boxed{}$



Numbers in words

10 = ten

20 = twenty

30 = thirty

40 = forty

50 = fifty

60 = sixty

70 = seventy

80 = eighty

90 = ninety

100 = hundred



Exercise 8a

1 2 3 4 5 6 7 8 9 

Date:

Example:



a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

seventy → 19 5 22 5 14 20 25

1. sixty → _____
2. forty → _____
3. eighty → _____
4. one-hundred → _____
5. ninety → _____
6. seventy → _____
7. twenty → _____
8. thirty → _____
9. fifty → _____
10. ten → _____



Exercise 8b

1 2 3 4 5 6 7 8 9 

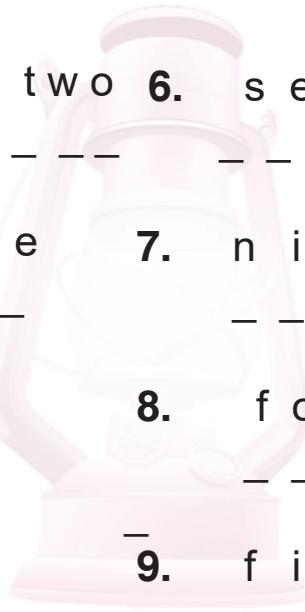
Date:

Example:



a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

f	i	f	t	e	e	n
<u>6</u>	<u>9</u>	<u>6</u>	<u>20</u>	<u>5</u>	<u>5</u>	<u>14</u>

- 
1. t h i r t y - two
 2. f o r t y - one
 3. t w e n t y
 4. t h i r t y
 5. e i g h t y - n i n e
 6. s e v e n t y - six
 7. n i n e t y - one
 8. f o r t y - n i n e
 9. f i f t y - f o u r
 10. s i x t y - f i v e



Exercise 9a

Date:



Example:



z	y	x	w	v	u	t	s	r	q	p	o	n
1	2	3	4	5	6	7	8	9	10	11	12	13
m	l	k	j	i	h	g	f	e	d	c	b	a
14	15	16	17	18	19	20	21	22	23	24	25	26

13 18 13 22 7 2 → n i n e t y

1. 7 19 18 9 7 2

— — — — —

2. 21 12 9 7 2

— — — — —

3. 8 22 5 22 13 7 2

— — — — — — —

4. 7 4 22 13 7 2

— — — — — —

5. 7 19 18 9 7 2 7 4 12

— — — — — — — —

6. 13 18 13 22 7 2

— — — — — —

7. 8 18 3 7 2 21 12 6 9

— — — — — — — —

8. 12 13 22 19 6 13 23 9 22 23

— — — — — — — —

9. 21 18 21 7 2 12 13 22

— — — — — — — —

10. 22 18 20 19 7 2

— — — — — — —



Exercise 9b



Date:

Example:



z	y	w	x	v	u	t	s	r	q	p	o	n
1	2	3	4	5	6	7	8	9	10	11	12	13
m	l	k	j	i	h	g	f	e	d	c	b	a
14	15	16	17	18	19	20	21	22	23	24	25	26

7 4 22 13 7 2 → t w e n t y

1. 7 19 18 9 7 2

— — — — —

2. 7 4 22 13 7 2 7 4 12

— — — — — — — —

3. 21 18 21 7 2 12 13 22

— — — — — — — —

4. 8 18 3 7 2

— — — — —

5. 8 18 3 7 2 21 12 6 9

— — — — — — — —

6. 22 18 20 19 7 22 22 13

— — — — — — — —

7. 21 12 9 7 2 13 18 13 22

— — — — — — — —

8. 7 4 22 13 7 2

— — — — —

9. 8 22 5 22 13 7 2 8 18 3

— — — — — — — —

10. 13 18 13 22 7 22 22 13

— — — — — — — —



**Example:****42 = forty-two****A. Complete these:**

- | | |
|---------------------|-----------------------|
| 1. 62 = s_xt_y-t_o | 6. 57 = fif_y-s_ven |
| 2. 80 = ei __ ty | 7. 48 = f_rty-e_ght |
| 3. 100 = on_h_ndr_d | 8. 73 = se_enty-thr__ |
| 4. 95 = nin_ty-f_ve | 9. 31 = th_rty-o_e |
| 5. 86 = e_ght_-s_x | 10. 88 = eigh_y-eig_t |

B. Write in figures:

- | | | | |
|-----------------|---------|------------------|---------|
| 11. fifty-four | = _____ | 16. sixty-eight | = _____ |
| 12. ninety-six | = _____ | 17. forty-five | = _____ |
| 13. seventy | = _____ | 18. thirty-three | = _____ |
| 14. thirty-six | = _____ | 19. ninety-seven | = _____ |
| 15. one-hundred | = _____ | 20. twenty-two | = _____ |



Even Numbers:

0	2	4	6	8
10	12	14	16	18
20	22	24	26	28
30	32	34	36	38
40	42	44	46	48
50	52	54	56	58
60	62	64	66	68
70	72	74	76	78
80	82	84	86	88
90	92	94	96	98
100	102	104	106	108
110	112	114	116	118
120	122	124	126	128
130	132	134	136	138
140	142	144	146	148
150	152	154	156	158
160	162	164	166	168
170	172	174	176	178
180	182	184	186	188
190	192	194	196	198
200				

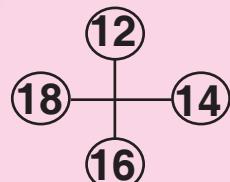


Exercise 10a

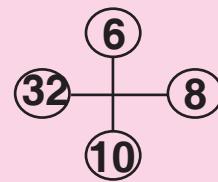


Date:

Example:

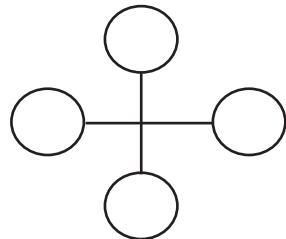


12 16 18 9 14



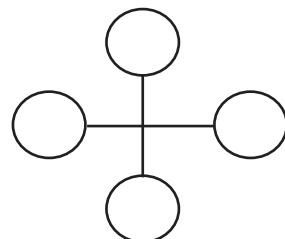
32 6 10 8 21

1.



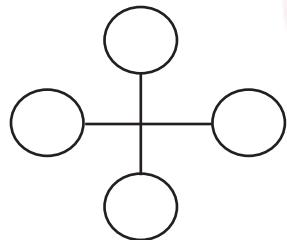
60 18 34 45 50

3.



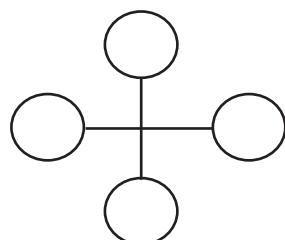
55 34 16 52 66
32

2.



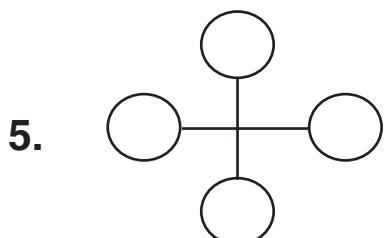
80 25 12 30 64

4.

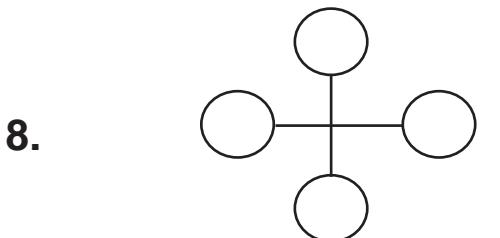


21 8 38 82 46

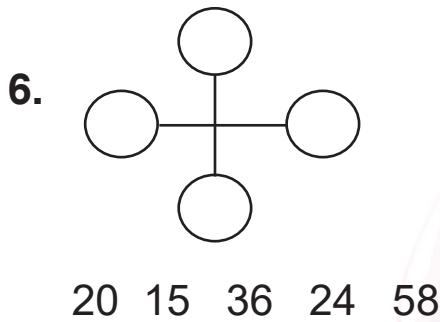




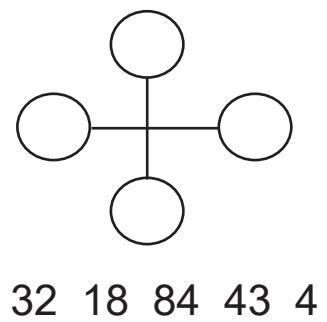
31 42 90 28 96



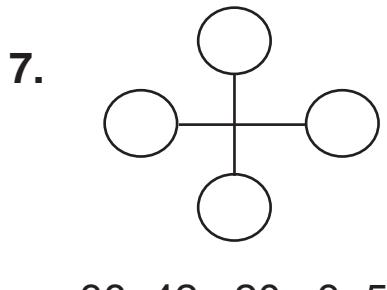
56 35 82 44 28



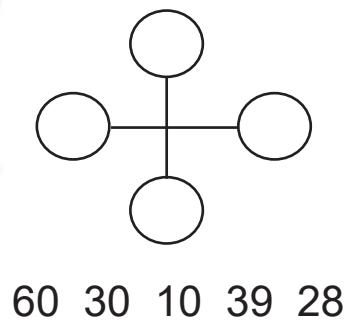
20 15 36 24 58



32 18 84 43 4



38 42 20 3 56



60 30 10 39 28

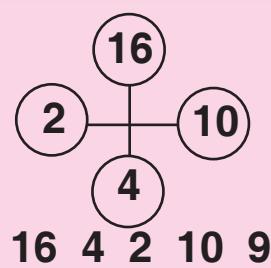
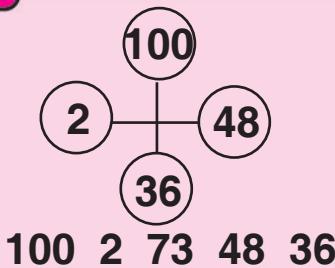


Exercise 10b

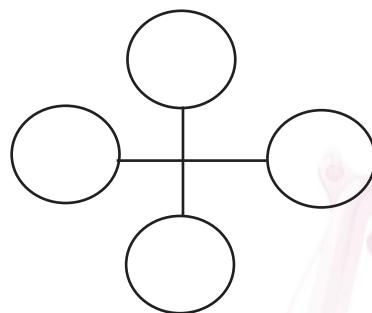


Date:

Example:

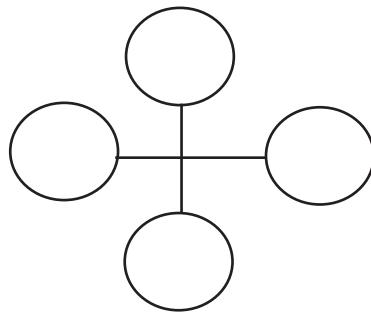


1.



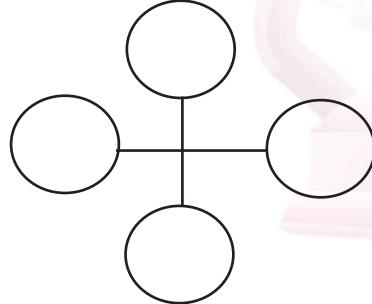
62 23 132 48 22

3.



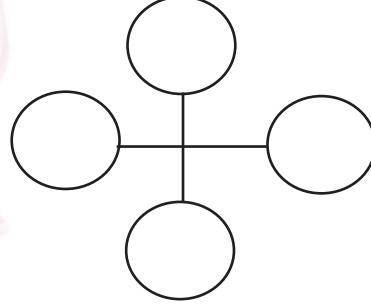
168 191 26 48 142

2.



20 5 86 166 28

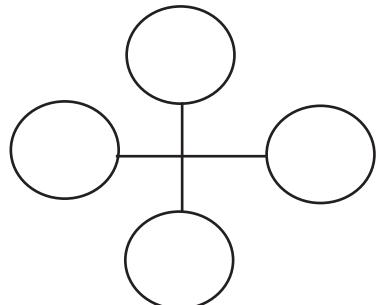
4.



190 13 88 124 48

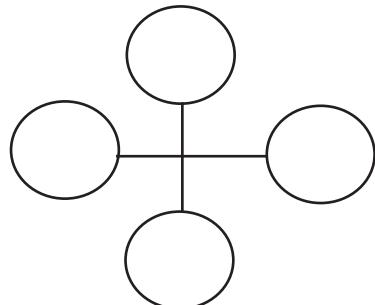


5.



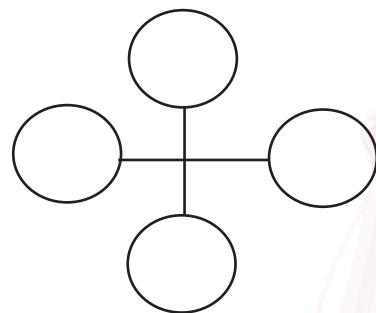
12 171 36 18 10

8.



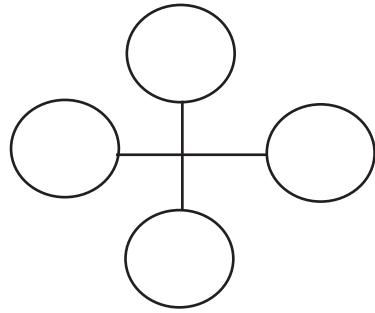
18 2 44 91 8

6.



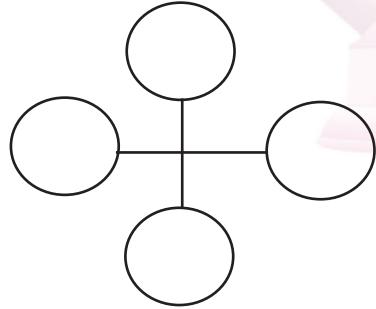
71 172 92 138 188

9.



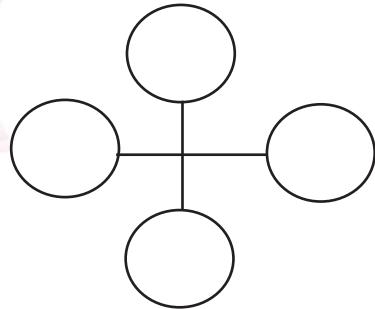
174 61 22 12 110

7.



96 73 178 18 142

10.



40 150 60 31 130



Exercise 10c Circle the even numbers.

Date:



Example:

122

19

195

200

48

63

42

96

81

70

1. 72 13 98 0 59

11. 33 121 132 80 78

2. 30 55 87 44 18

12. 117 192 151 38 66

3. 200 104 67 31 92

13. 75 123 40 58 94

4. 47 58 79 142 60

14. 27 76 81 48 50

5. 113 48 50 195 76

15. 199 183 156 136 88

6. 36 79 196 42 13

16. 48 162 141 174 123

7. 55 43 38 76 40

17. 71 158 133 156 82

8. 110 183 174 121 156

18. 97 192 143 178 120

9. 92 29 134 188 179

19. 48 56 89 71 138

10. 114 102 0 51 17

20. 60 34 127 92 83



Odd Numbers:

1	3	5	7	9
11	13	15	17	19
21	23	25	27	29
31	33	35	37	39
41	43	45	47	49
51	53	55	57	59
61	63	65	67	69
71	73	75	77	79
81	83	85	87	89
91	93	95	97	99
101	103	105	107	109
111	113	115	117	119
121	123	125	127	129
131	133	135	137	139
141	143	145	147	149
151	153	155	157	159
161	163	165	167	169
171	173	175	177	179
181	183	185	187	189
191	193	195	197	199

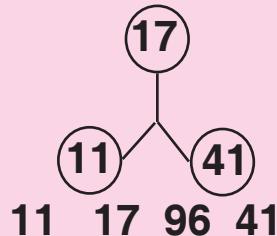
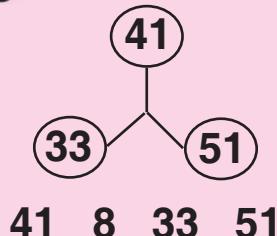


Exercise 11a

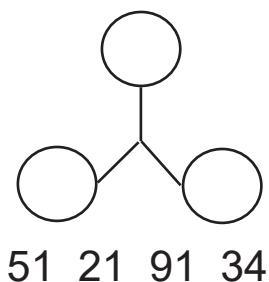
Date:



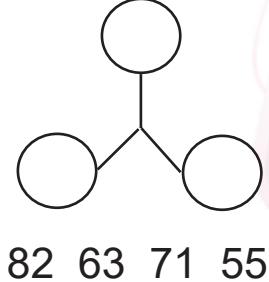
Example:



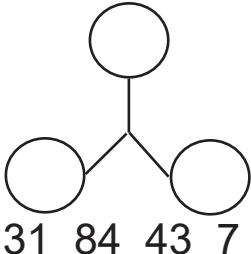
1.



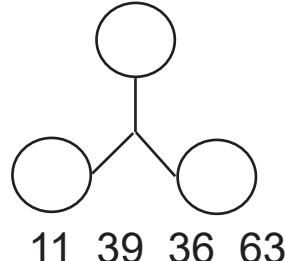
2.



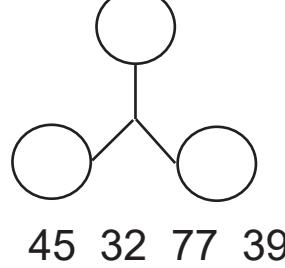
3.



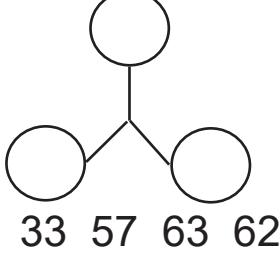
4.



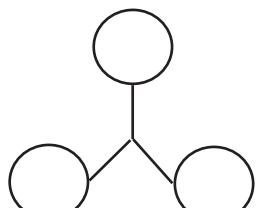
5.



6.

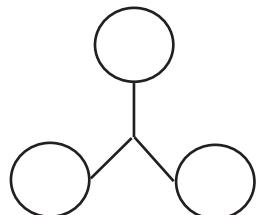


7.



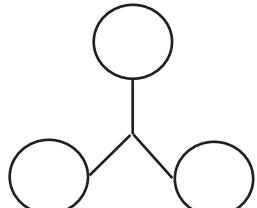
99 15 73 32

11.



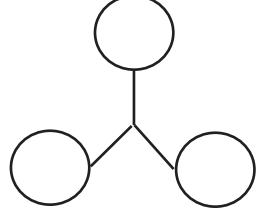
121 32 65 71

8.



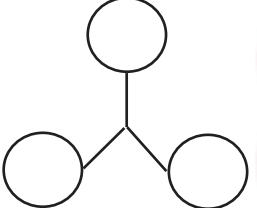
45 40 43 49

12.



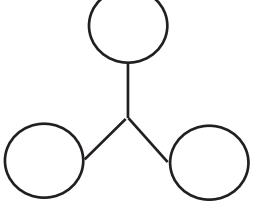
5 139 90 23

9.



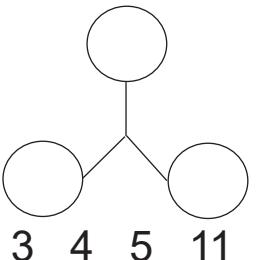
89 71 53 98

13.



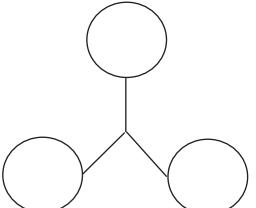
36 123 61 5

10.



3 4 5 11

14.



54 87 91 3

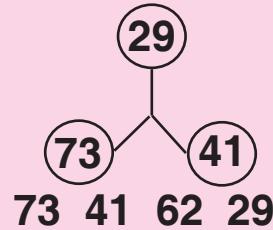
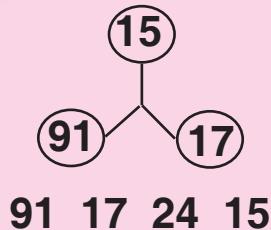


Exercise 11b

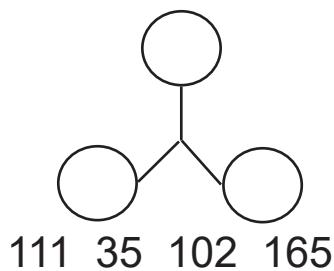
Date:



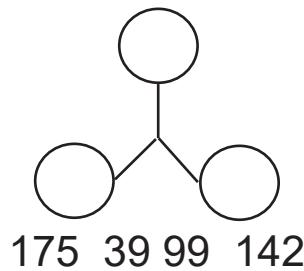
Example:



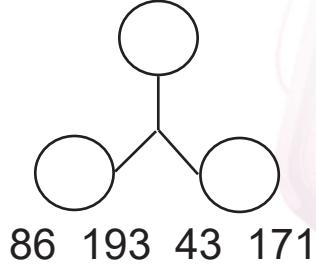
1.



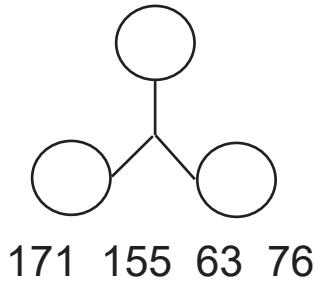
4.



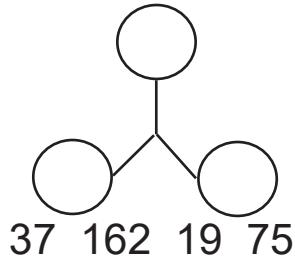
2.



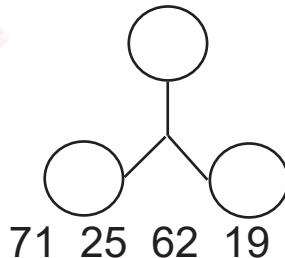
5.



3.



6.



Exercise 11c Underline the odd Numbers.

Date:



Example:



93 47 50 69 48 124 171 93 84 65

- | | |
|-------------------------|-------------------------|
| 1. 63 121 174 139 76 | 11. 143 125 132 119 150 |
| 2. 47 56 83 191 82 | 12. 72 91 103 128 137 |
| 3. 81 93 47 28 66 | 13. 86 43 57 39 40 |
| 4. 193 182 176 151 127 | 14. 131 182 141 188 63 |
| 5. 110 159 199 141 0 | 15. 55 43 72 68 21 |
| 6. 86 49 160 193 171 | 16. 63 84 99 79 110 |
| 7. 106 109 172 153 129 | 17. 101 120 47 58 33 |
| 8. 67 82 91 43 32 | 18. 48 109 171 118 119 |
| 9. 71 60 49 57 82 | 19. 157 163 142 171 196 |
| 10. 133 167 150 181 146 | 20. 78 47 131 149 50 |



Multiplication

2x

$2 \times 1 = 2$

$2 \times 2 = 4$

$2 \times 3 = 6$

$2 \times 4 = 8$

2 x 5 = 10

$2 \times 6 = 12$

$2 \times 7 = 14$

$2 \times 8 = 16$

$2 \times 9 = 18$

$2 \times 10 = 20$

2 x 11 = 22

$2 \times 12 = 24$

3x

$3 \times 1 = 3$

$3 \times 2 = 6$

$3 \times 3 = 9$

$3 \times 4 = 12$

3 x 5 = 15

$3 \times 6 = 18$

$3 \times 7 = 21$

$3 \times 8 = 24$

$3 \times 9 = 27$

$3 \times 10 = 30$

3 x 11 = 33

$3 \times 12 = 36$



4x5x

$4 \times 1 = 4$

$5 \times 1 = 5$

$4 \times 2 = 8$

$5 \times 2 = 10$

$4 \times 3 = 12$

$5 \times 3 = 15$

$4 \times 4 = 16$

$5 \times 4 = 20$

$4 \times 5 = 20$

$5 \times 5 = 25$

$4 \times 6 = 24$

$5 \times 6 = 30$

$4 \times 7 = 28$

$5 \times 7 = 35$

$4 \times 8 = 32$

$5 \times 8 = 40$

$4 \times 9 = 36$

$5 \times 9 = 45$

$4 \times 10 = 40$

$5 \times 10 = 50$

$4 \times 11 = 44$

$5 \times 11 = 55$

$4 \times 12 = 48$

$5 \times 12 = 60$



10x**11x**

$$10 \times 1 = 10$$

$$11 \times 1 = 11$$

$$10 \times 2 = 20$$

$$11 \times 2 = 22$$

$$10 \times 3 = 30$$

$$11 \times 3 = 33$$

$$10 \times 4 = 40$$

$$11 \times 4 = 44$$

$$10 \times 5 = 50$$

$$11 \times 5 = 55$$

$$10 \times 6 = 60$$

$$11 \times 6 = 66$$

$$10 \times 7 = 70$$

$$11 \times 7 = 77$$

$$10 \times 8 = 80$$

$$11 \times 8 = 88$$

$$10 \times 9 = 90$$

$$11 \times 9 = 99$$

$$10 \times 10 = 100$$

$$11 \times 10 = 110$$

$$10 \times 11 = 110$$

$$11 \times 11 = 121$$

$$10 \times 12 = 120$$

$$11 \times 12 = 132$$

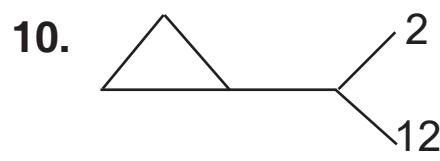
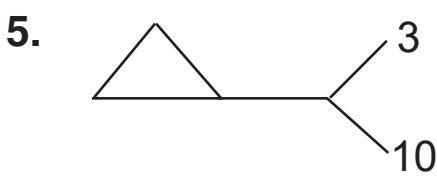
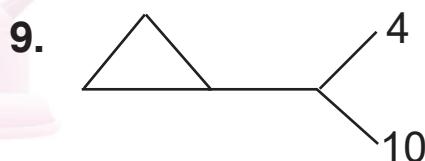
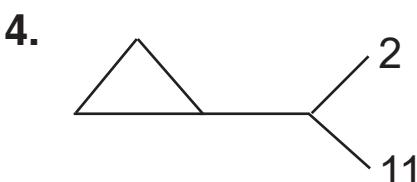
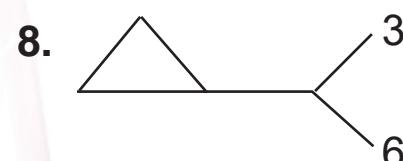
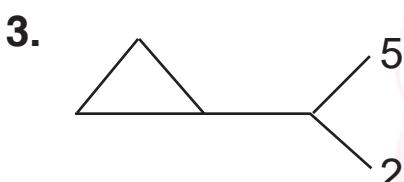
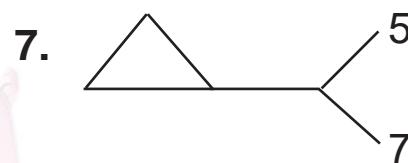
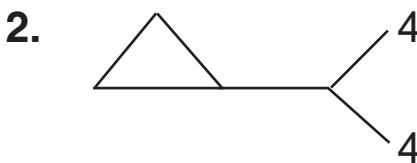
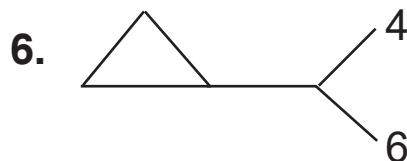
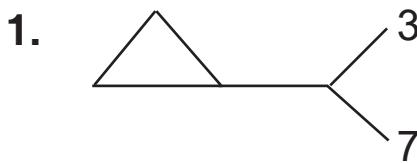
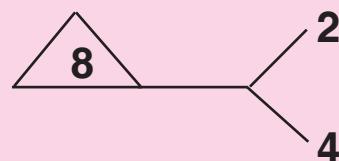
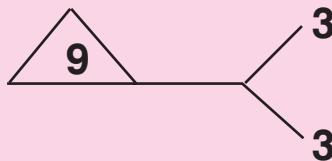


Exercise 12a



Date:

Example:



Exercise 12b



Date:

Example:



$$\begin{array}{c} 1 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 2 \end{array} = 2$$

$$\begin{array}{c} 3 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 5 \end{array} = 15$$

1. $\begin{array}{c} 3 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 12 \end{array} = \boxed{}$
2. $\begin{array}{c} 4 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 4 \end{array} = \boxed{}$
3. $\begin{array}{c} 15 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 3 \end{array} = \boxed{}$
4. $\begin{array}{c} 9 \\ \diagup \quad \diagdown \\ 8 \\ \diagdown \quad \diagup \\ 5 \end{array} = \boxed{}$
5. $\begin{array}{c} 8 \\ \diagup \quad \diagdown \\ 7 \\ \diagdown \quad \diagup \\ 4 \end{array} = \boxed{}$
6. $\begin{array}{c} 4 \\ \diagup \quad \diagdown \\ 7 \\ \diagdown \quad \diagup \\ 6 \end{array} = \boxed{}$
7. $\begin{array}{c} 8 \\ \diagup \quad \diagdown \\ 7 \\ \diagdown \quad \diagup \\ 8 \end{array} = \boxed{}$
8. $\begin{array}{c} 6 \\ \diagup \quad \diagdown \\ 5 \\ \diagdown \quad \diagup \\ 3 \end{array} = \boxed{}$
9. $\begin{array}{c} 8 \\ \diagup \quad \diagdown \\ 7 \\ \diagdown \quad \diagup \\ 8 \end{array} = \boxed{}$
10. $\begin{array}{c} 6 \\ \diagup \quad \diagdown \\ 5 \\ \diagdown \quad \diagup \\ 6 \end{array} = \boxed{}$

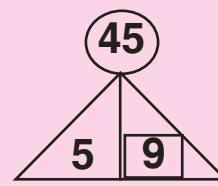
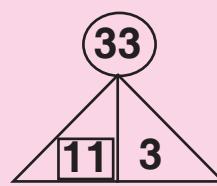
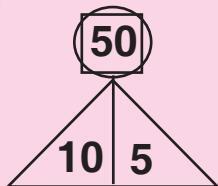


Exercise 12c

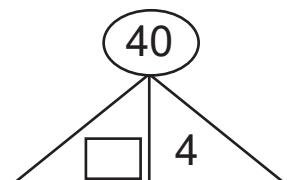


Date:

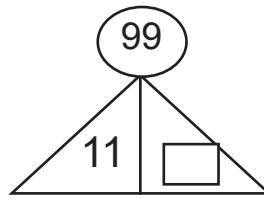
Example:



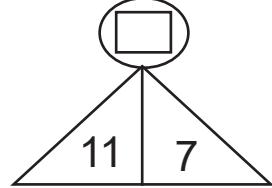
1.



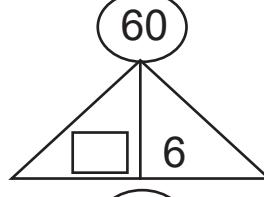
6.



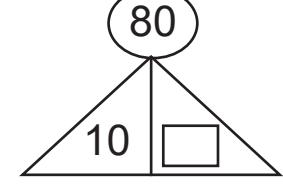
2.



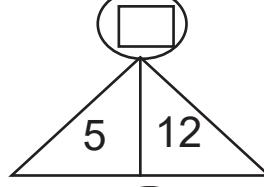
7.



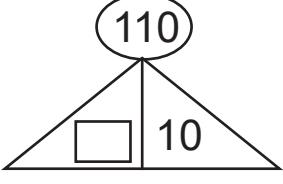
3.



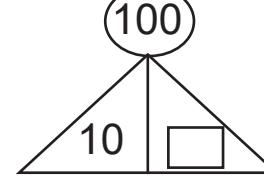
8.



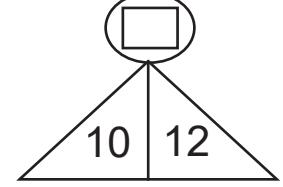
4.



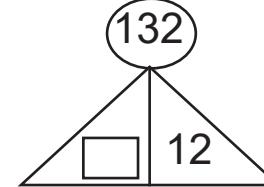
9.



5.



10.



NEW EDITION

Score:

41

Exercise 12d

Date:



Example:



$$10 \times \boxed{3} = 30$$

$$11 \times \boxed{2} = 22$$

1. $10 \times \boxed{\quad} = 90$

11. $10 \times \boxed{\quad} = 110$

2. $11 \times \boxed{\quad} = 55$

12. $11 \times \boxed{\quad} = 88$

3. $10 \times \boxed{\quad} = 40$

13. $10 \times \boxed{\quad} = 120$

4. $5 \times \boxed{\quad} = 50$

14. $11 \times \boxed{\quad} = 132$

5. $3 \times \boxed{\quad} = 21$

15. $10 \times \boxed{\quad} = 130$

6. $11 \times \boxed{\quad} = 44$

16. $4 \times \boxed{\quad} = 36$

7. $4 \times \boxed{\quad} = 32$

17. $5 \times \boxed{\quad} = 20$

8. $5 \times \boxed{\quad} = 55$

18. $5 \times \boxed{\quad} = 15$

9. $10 \times \boxed{\quad} = 70$

19. $4 \times \boxed{\quad} = 28$

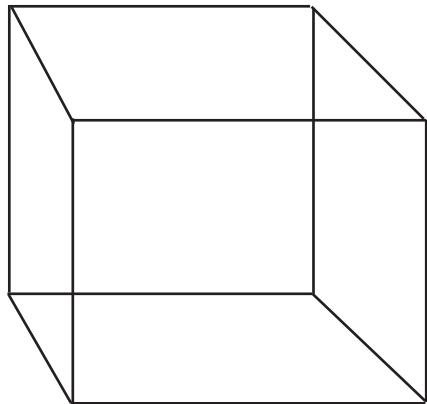
10. $5 \times \boxed{\quad} = 60$

20. $11 \times \boxed{\quad} = 121$

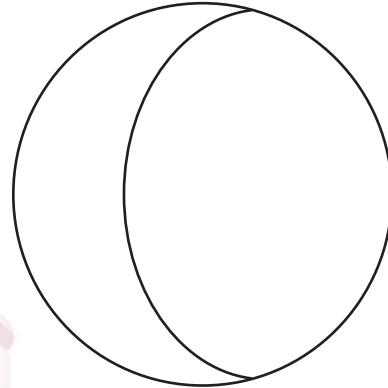




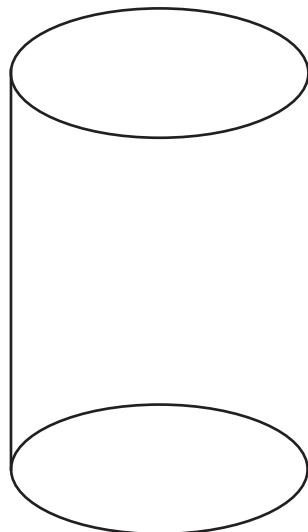
SHAPES



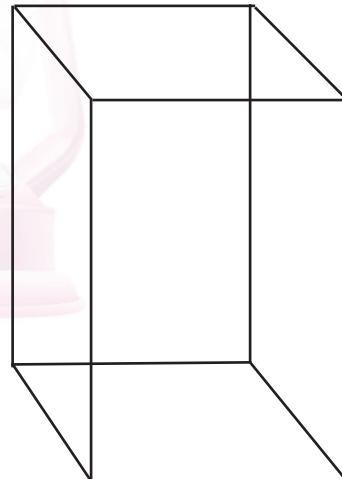
CUBE



SPHERE



CYLINDER



CUBOID

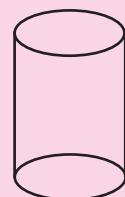
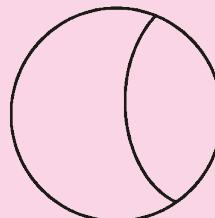
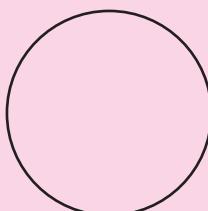
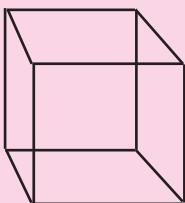


Exercise 13a



Date:

Example:



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

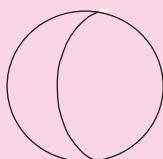


Exercise 13b

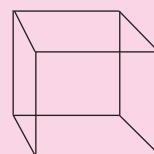
1 2 3 4 5 6 7 8 9

Date:

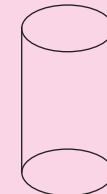
Example:



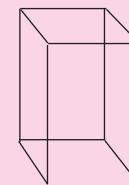
sphere



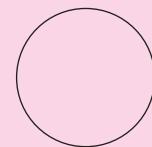
cube



cylinder

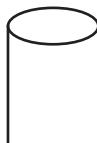


cuboid



circle

1.



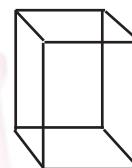
6.



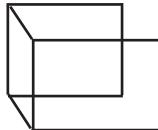
2.



7.



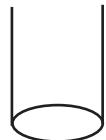
3.



8.



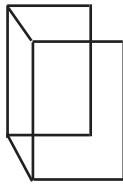
4.



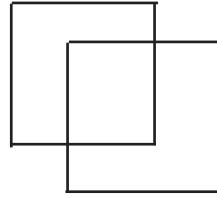
9.



5.



10.







Date:

A. Draw these shapes:

1.



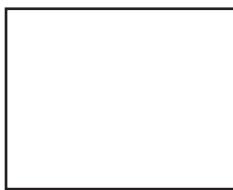
Circle

3.



sphere

5.



cylinder

2.



cube

4.



cuboid

B. Name these shapes:

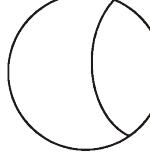
1.



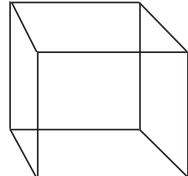
3.



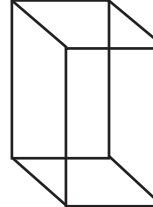
5.



2.



4.

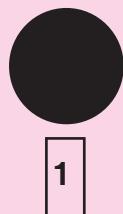


Exercise 14a

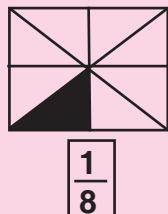


Date:

Example:



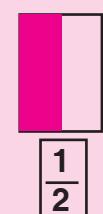
1



$\frac{1}{8}$



$\frac{1}{4}$

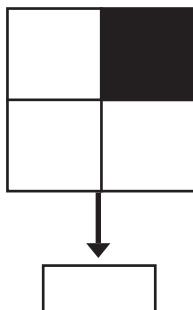


$\frac{1}{2}$

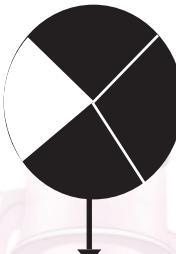


$\frac{3}{4}$

1.



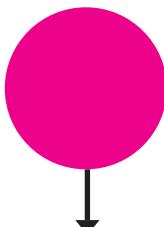
4.



7.



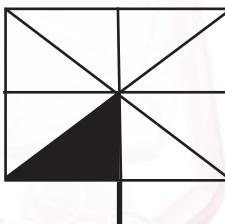
2.



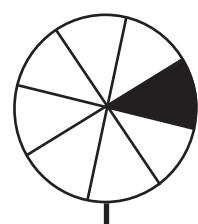
↓



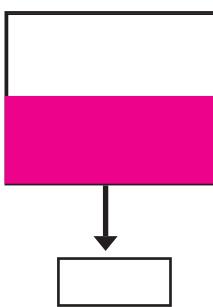
5.



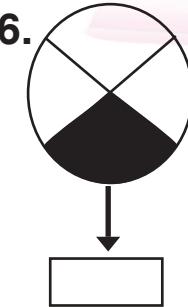
8.



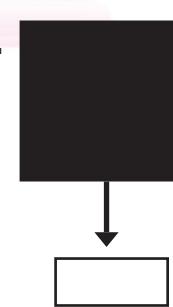
3.



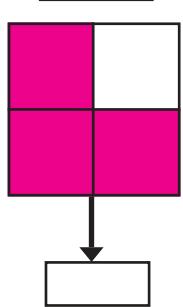
6.



9.



10.

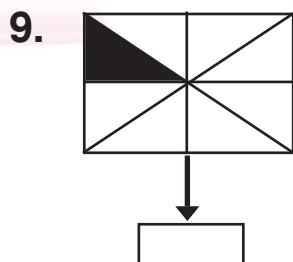
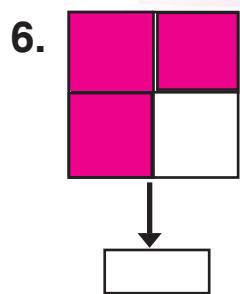
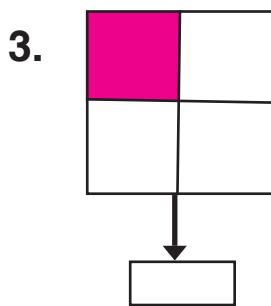
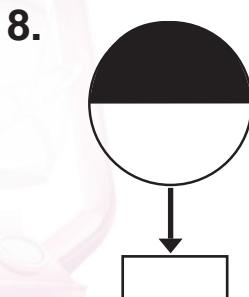
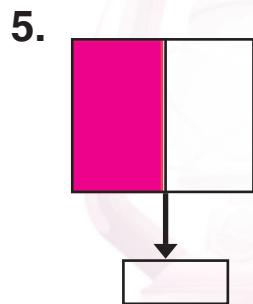
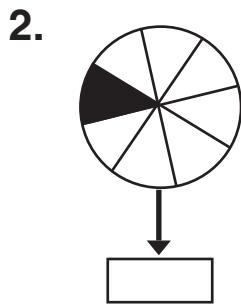
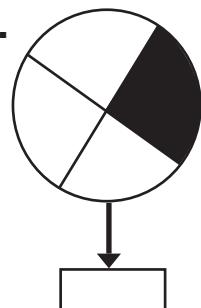
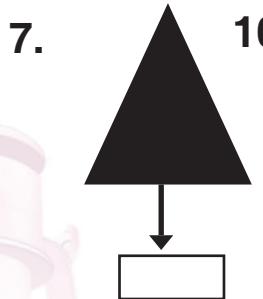
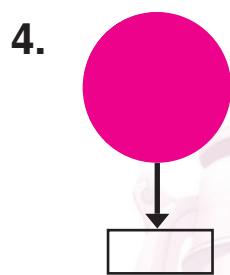
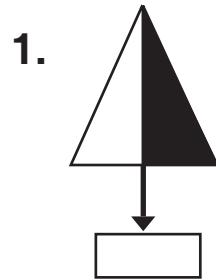
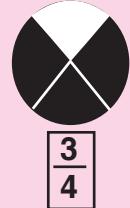
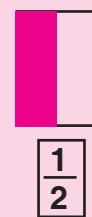
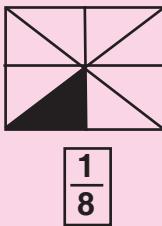


Exercise 14b



Date:

Example:



Exercise 16a



Date:



Example:

$$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

$$\frac{4}{9} + \frac{2}{9} = \frac{6}{9}$$

$$1. \frac{2}{5} + \frac{2}{5} = \frac{\square}{5}$$

$$8. \frac{7}{11} + \frac{2}{11} = \frac{\square}{11}$$

$$15. \frac{5}{7} + \frac{\square}{7} = \frac{6}{7}$$

$$2. \frac{2}{8} + \frac{3}{8} = \frac{\square}{8}$$

$$9. \frac{\square}{8} + \frac{2}{8} = \frac{7}{8}$$

$$16. \frac{\square}{14} + \frac{2}{14} = \frac{10}{14}$$

$$3. \frac{4}{10} + \frac{\square}{10} = \frac{8}{10} \quad 10. \frac{6}{11} + \frac{\square}{11} = \frac{10}{11} \quad 17. \frac{4}{12} + \frac{3}{12} = \frac{\square}{12}$$

$$4. \frac{\square}{13} + \frac{8}{13} = \frac{10}{13} \quad 11. \frac{\square}{10} + \frac{6}{10} = \frac{8}{10} \quad 18. \frac{9}{12} + \frac{\square}{12} = \frac{11}{12}$$

$$5. \frac{3}{5} + \frac{1}{5} = \frac{\square}{5} \quad 12. \frac{5}{16} + \frac{8}{16} = \frac{\square}{16} \quad 19. \frac{12}{15} + \frac{\square}{15} = \frac{14}{15}$$

$$6. \frac{5}{9} + \frac{\square}{9} = \frac{8}{9} \quad 13. \frac{5}{12} + \frac{4}{12} = \frac{\square}{12} \quad 20. \frac{6}{10} + \frac{3}{10} = \frac{\square}{10}$$

$$7. \frac{\square}{10} + \frac{3}{10} = \frac{9}{10} \quad 14. \frac{7}{9} + \frac{1}{9} = \frac{\square}{9}$$



NEW EDITION

Score:

Exercise 15b



Date:

Example:



$$\frac{4}{10} - \frac{3}{10} = \frac{1}{10}$$

$$\frac{6}{11} - \frac{3}{11} = \frac{3}{11}$$

$$1. \frac{2}{3} - \frac{1}{3} = \boxed{}$$

$$8. \frac{6}{11} - \frac{5}{11} = \boxed{}$$

$$15. \frac{7}{8} - \frac{3}{8} = \boxed{}$$

$$2. \frac{3}{4} - \frac{2}{4} = \boxed{}$$

$$9. \frac{2}{8} - \frac{\square}{8} = \frac{1}{8}$$

$$16. \frac{9}{11} - \frac{4}{11} = \boxed{}$$

$$3. \frac{4}{5} - \frac{2}{5} = \boxed{}$$

$$10. \frac{7}{15} - \frac{\square}{15} = \frac{4}{15}$$

$$17. \frac{\square}{5} - \frac{2}{5} = \frac{1}{5}$$

$$4. \frac{4}{7} - \frac{3}{7} = \boxed{}$$

$$11. \frac{\square}{5} - \frac{1}{5} = \frac{3}{5}$$

$$18. \frac{5}{6} - \frac{\square}{6} = \frac{4}{6}$$

$$5. \frac{5}{8} - \frac{\square}{8} = \frac{2}{8}$$

$$12. \frac{\square}{10} - \frac{5}{10} = \frac{3}{10}$$

$$19. \frac{7}{12} - \frac{2}{12} = \boxed{}$$

$$6. \frac{6}{9} - \frac{\square}{9} = \frac{3}{9}$$

$$13. \frac{4}{6} - \frac{1}{6} = \boxed{}$$

$$20. \frac{\square}{14} - \frac{2}{14} = \frac{1}{14}$$

$$7. \frac{\square}{7} - \frac{3}{7} = \frac{3}{7}$$

$$14. \frac{8}{10} - \frac{\square}{10} = \frac{4}{10}$$



Exercise 16a

1 2 3 4 5 6 7 8 9 

Date:

Time

60 seconds	=	1 minute
60 minutes	=	1 hour
24 hours	=	1 day
7 days	=	1 Week

Example:



$$75\text{mins} = 1\text{hr } 15\text{mins}$$



$$60\text{mins} = 1\text{hr}$$

1.  = _____



2.  = _____



3.  = _____



4.  = _____

4.  = _____



Exercise 16b



Date:

Example:



$$1\text{hr} = 60\text{mins}$$

$$1\text{hr } 10\text{mins} = 70\text{mins}$$

1. $2\text{hrs} = \underline{\hspace{5cm}}$

2. $3\text{hrs} = \underline{\hspace{5cm}}$

3. $7\text{hrs} = \underline{\hspace{5cm}}$

4. $2\text{hrs } 30\text{mins} = \underline{\hspace{5cm}}$

5. $1\text{hr } 50\text{mins} = \underline{\hspace{5cm}}$



Exercise 16c



Date:

Example:



$$\begin{array}{ccc} 30 \\ & \diagdown \\ & 6 \end{array} = 5$$

$$\begin{array}{ccc} 48 \\ & \diagdown \\ & 4 \end{array} = 12$$

1. $\begin{array}{ccc} \square \\ & \diagdown \\ & 6 \end{array} = 7$

6. $\begin{array}{ccc} \square \\ & \diagdown \\ & 2 \end{array} = 3$

2. $\begin{array}{ccc} 14 \\ & \diagdown \\ & 7 \end{array} = \square$

7. $\begin{array}{ccc} 64 \\ & \diagdown \\ & 8 \end{array} = \square$

3. $\begin{array}{ccc} 27 \\ & \diagdown \\ & \square \end{array} = 9$

8. $\begin{array}{ccc} 10 \\ & \diagdown \\ & \square \end{array} = 2$

4. $\begin{array}{ccc} \square \\ & \diagdown \\ & 6 \end{array} = 7$

9. $\begin{array}{ccc} 15 \\ & \diagdown \\ & 3 \end{array} = \square$

5. $\begin{array}{ccc} 56 \\ & \diagdown \\ & 8 \end{array} = \square$

10. $\begin{array}{ccc} \square \\ & \diagdown \\ & 2 \end{array} = 4$



Exercise 17

Date:



Example:

$$24 \quad > \quad 12 + 2$$

$$16 - 3 \quad < \quad 20$$

$$19 \quad = \quad 16 + 3$$

1. $15 + 10 \quad ? \quad 25$

11. $25 \quad ? \quad 5 \times 5$

2. $71 \quad ? \quad 17$

12. $20 - 10 \quad ? \quad 16$

3. $45 \quad ? \quad 10 + 3$

13. $639 \quad ? \quad 629$

4. $30 + 6 \quad ? \quad 40$

14. $100 \quad ? \quad 1000$

5. $101 \quad ? \quad 110$

15. $809 \quad ? \quad 890$

6. $91 \quad ? \quad 19 + 2$

16. $3 \times 7 \quad ? \quad 25$

7. $33 + 2 \quad ? \quad 22 + 2$

17. $19 + 10 \quad ? \quad 30$

8. $502 \quad ? \quad 520$

18. $899 \quad ? \quad 809$

9. $4 \times 3 \quad ? \quad 2 \times 6$

19. $152 \quad ? \quad 251$

10. $10 \times 10 \quad ? \quad 110$

20. $2 \times 8 \quad ? \quad 4 \times 4$



Exercise 18

Date:



A. Example:

$$\frac{1}{3} \text{ of } 9 = 9 \div 3 = 3 \quad \frac{1}{2} \text{ of } 6 = 6 \div 2 = 3$$

1. $\frac{1}{5}$ of 20 = ÷ 5 = 4
2. $\frac{1}{3}$ of 18 = 18 ÷ = 6
3. $\frac{1}{2}$ of 20 = ÷ 2 = 10
4. $\frac{1}{4}$ of 16 = 16 ÷ 4 =
5. $\frac{1}{5}$ of 25 = 25 ÷ = 5
6. $\frac{1}{3}$ of 27 = ÷ 3 = 9
7. $\frac{1}{2}$ of 10 = 10 ÷ 2 =
8. $\frac{1}{4}$ of 28 = ÷ 4 = 7



B. Example:

$$\frac{1}{2} \text{ of } 2 = \boxed{1}$$

$$\frac{1}{3} \text{ of } 12 = \boxed{4}$$

1. $\frac{3}{4}$ of 12 =
2. $\frac{1}{4}$ of 8 =
3. $\frac{1}{2}$ of 6 =
4. $\frac{1}{4}$ of 4 =
5. $\frac{1}{3}$ of 9 =
6. $\frac{1}{2}$ of 10 =



Exercise 19a Find the missing sign.

Date:



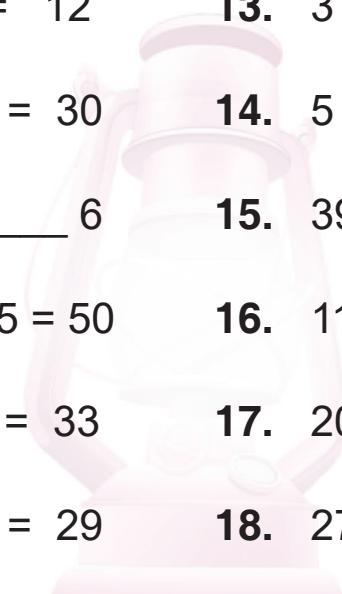
Example:



$5 \ _{\text{X}} \ 9 = 45$

$18 \ _{\text{+}} \ 6 = 24$

1. $17 \ _{\text{—}} \ 8 = 25$ 11. $36 = 3 \ _{\text{—}} \ 12$
2. $40 = 10 \ _{\text{—}} \ 4$ 12. $15 \ _{\text{—}} \ 15 = 30$
3. $3 \ _{\text{—}} \ 4 = 12$ 13. $3 \ _{\text{—}} \ 9 = 27$
4. $25 \ _{\text{—}} \ 5 = 30$ 14. $5 \ _{\text{—}} \ 8 = 40$
5. $60 = 10 \ _{\text{—}} \ 6$ 15. $39 = 30 \ _{\text{—}} \ 9$
6. $25 \ _{\text{—}} \ 25 = 50$ 16. $11 \ _{\text{—}} \ 10 = 21$
7. $11 \ _{\text{—}} \ 3 = 33$ 17. $20 = 16 \ _{\text{—}} \ 4$
8. $20 \ _{\text{—}} \ 9 = 29$ 18. $27 \ _{\text{—}} \ 10 = 37$
9. $16 = 4 \ _{\text{—}} \ 4$ 19. $13 = 6 \ _{\text{—}} \ 7$
10. $80 = 10 \ _{\text{—}} \ 8$ 20. $19 \ _{\text{—}} \ 8 = 27$



Exercise 19b Find the missing sign.

Date:



Example:

$15 \underline{+} 9 = 24$

$20 \underline{-} 10 = 10$

$10 \underline{\times} 5 = 50$

$\frac{1}{2} \underline{\text{of}} 12 = 6$

1. $23 \underline{\quad} 10 = 13$ 11. $120 = 10 \underline{\quad} 12$
2. $4 \underline{\quad} 4 = 16$ 12. $12 \underline{\quad} 19 = 31$
1
3. $5 \underline{\quad} 30 = 6$ 13. $3 \underline{\quad} 27 = 9$
4. $63 \underline{\quad} 23 = 40$ 14. $75 \underline{\quad} 21 = 54$
5. $10 \underline{\quad} 10 = 100$ 15. $33 = 11 \underline{\quad} 3$
6. $\frac{3}{4} \underline{\quad} 32 = 24$ 16. $57 \underline{\quad} 30 = 87$
7. $72 \underline{\quad} 72 = 0$ 17. $4 \underline{\quad} 9 = 36$
8. $50 \underline{\quad} 50 = 100$ 18. $\frac{1}{2} \underline{\quad} 10 = 5$
9. $6 \underline{\quad} 9 = 54$ 19. $22 = 10 \underline{\quad} 12$
10. $24 = 2 \underline{\quad} 12$ 20. $40 \underline{\quad} 20 = 60$

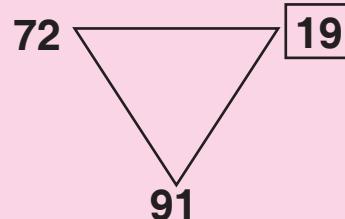
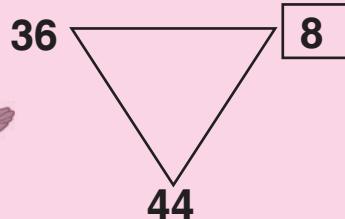


Exercise 20a



Date:

Example:



1. $48 \quad 4$

$$\begin{array}{ccc} 48 & & 4 \\ & \triangle & \\ & \square & \end{array}$$

6. $12 \quad \square$

$$\begin{array}{ccc} 12 & & \square \\ & \triangle & \\ & 64 & \end{array}$$

2. $43 \quad \square$

$$\begin{array}{ccc} 43 & & \square \\ & \triangle & \\ & 66 & \end{array}$$

7. $\square \quad 4$

$$\begin{array}{ccc} \square & & 4 \\ & \triangle & \\ & 38 & \end{array}$$

3. $35 \quad 35$

$$\begin{array}{ccc} 35 & & 35 \\ & \triangle & \\ & \square & \end{array}$$

8. $1 \quad 1$

$$\begin{array}{ccc} 1 & & 1 \\ & \triangle & \\ & \square & \end{array}$$

4. $\square \quad 27$

$$\begin{array}{ccc} \square & & 27 \\ & \triangle & \\ & 67 & \end{array}$$

9. $9 \quad \square$

$$\begin{array}{ccc} 9 & & \square \\ & \triangle & \\ & 10 & \end{array}$$

5. $11 \quad 21$

$$\begin{array}{ccc} 11 & & 21 \\ & \triangle & \\ & \square & \end{array}$$

10. $\square \quad 5$

$$\begin{array}{ccc} \square & & 5 \\ & \triangle & \\ & 10 & \end{array}$$



Exercise 20b

1 2 3 4 5 6 7 8 9

Date:

Example:



1. →

96	4
----	---

6. →

73	<input type="text"/>
----	----------------------

2. →

45	<input type="text"/>
----	----------------------

7. →

<input type="text"/>	13
----------------------	----

3. →

<input type="text"/>	10
----------------------	----

8. →

99	0
----	---

4. →

83	15
----	----

9. →

66	<input type="text"/>
----	----------------------

5. →

<input type="text"/>	20
----------------------	----

10. →

<input type="text"/>	20
----------------------	----

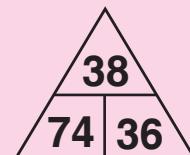
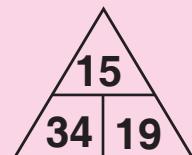


Exercise 21a

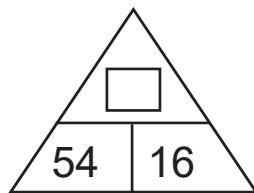
Date:



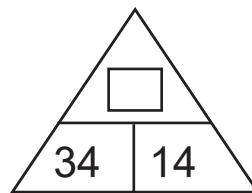
Example:



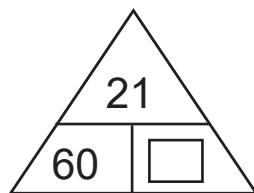
1.



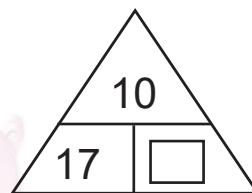
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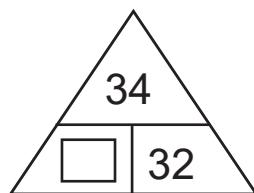
2.



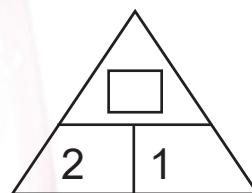
7.



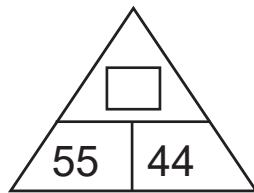
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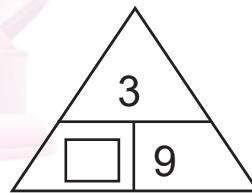
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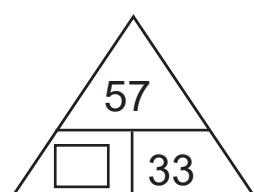
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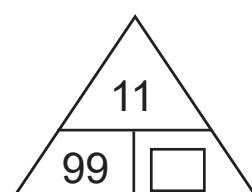
9.



5.



10.



60



NEW EDITION

Score:

Exercise 21b



Date:

Example:



₦64

₦32

₦32

\$70

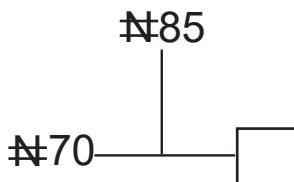
\$40

\$30

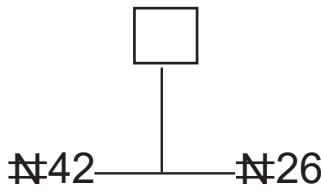
\$90

\$60

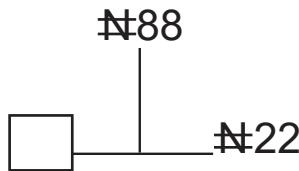
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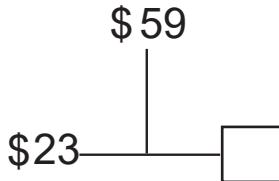
2.



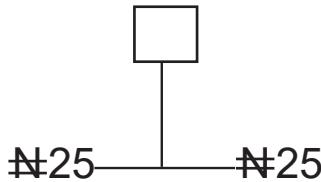
3.



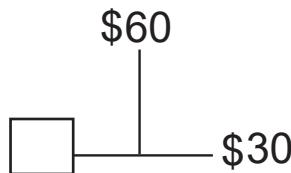
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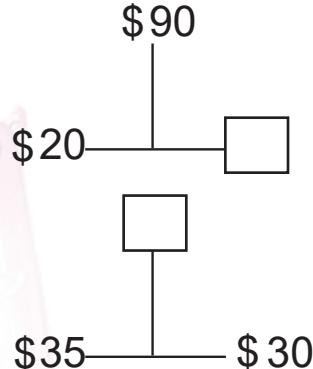
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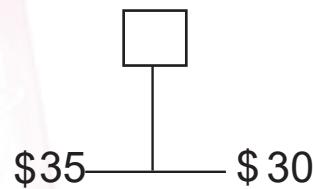
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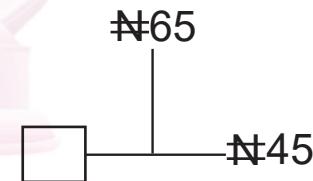
7.



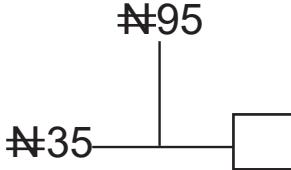
8.



9.



10.

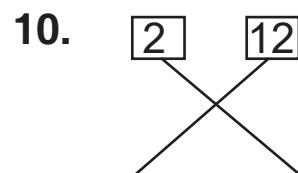
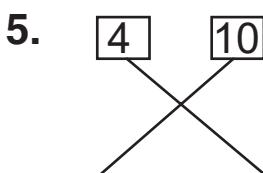
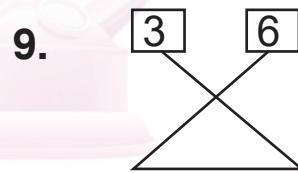
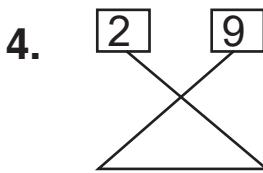
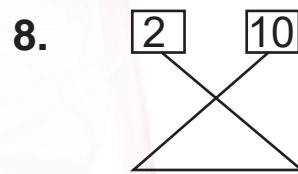
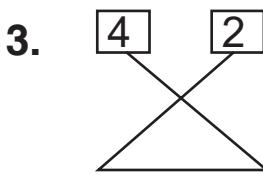
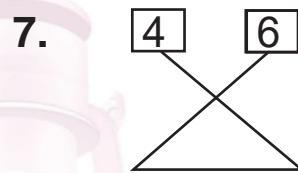
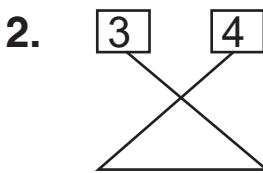
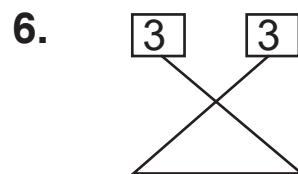
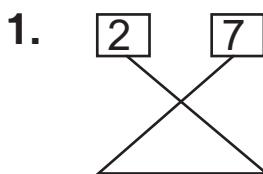
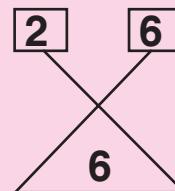
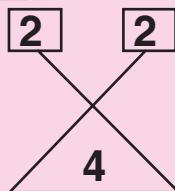


Exercise 22a

Date:



Example:

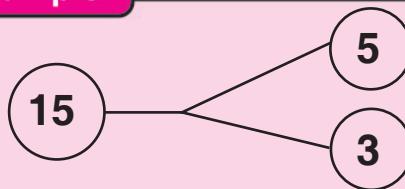


Exercise 22b

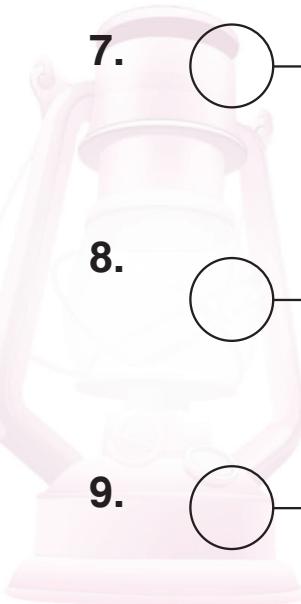


Date:

Example:



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



NEW EDITION

Score:

63



Example:

593 594 595 596 597

898 899 900 901 902

1. 216 217 6. 777 780
2. 322 323 7. 144 145
3. 176 177 8. 600 601
4. 602 603 9. 911 914
5. 444 448 10. 202



Example:

677	679	676	678	675
<u>675</u>	<u>676</u>	<u>677</u>	<u>678</u>	<u>679</u>

1. $\underline{519}$ $\underline{516}$ $\underline{518}$ $\underline{520}$ $\underline{517}$

2. $\underline{608}$ $\underline{610}$ $\underline{611}$ $\underline{609}$ $\underline{612}$

3. $\underline{898}$ $\underline{900}$ $\underline{897}$ $\underline{896}$ $\underline{899}$

4. $\underline{776}$ $\underline{777}$ $\underline{774}$ $\underline{775}$ $\underline{778}$

5. $\underline{599}$ $\underline{596}$ $\underline{598}$ $\underline{597}$ $\underline{600}$

6. $\underline{807}$ $\underline{809}$ $\underline{810}$ $\underline{808}$ $\underline{806}$

7. $\underline{932}$ $\underline{930}$ $\underline{934}$ $\underline{933}$ $\underline{931}$

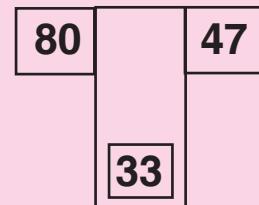
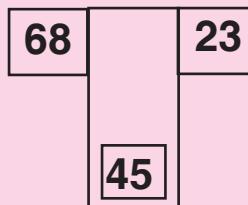
8. $\underline{679}$ $\underline{677}$ $\underline{680}$ $\underline{678}$ $\underline{676}$

9. $\underline{710}$ $\underline{706}$ $\underline{707}$ $\underline{709}$ $\underline{708}$

10. $\underline{929}$ $\underline{930}$ $\underline{932}$ $\underline{931}$ $\underline{933}$



Example:



1.

64		29
2.

		9
	7	
3.

35		
	15	
4.

80		66
5.

		24
	16	
6.

93		
	45	
7.

89		25
8.

		17
	48	
9.

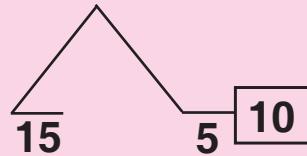
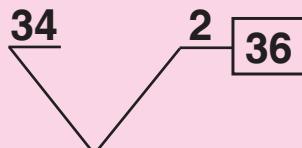
21		
	8	
10.

28		15

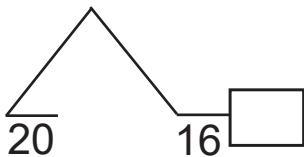




Example:



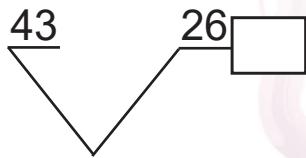
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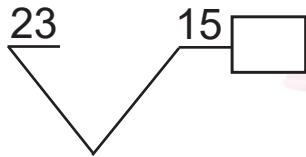
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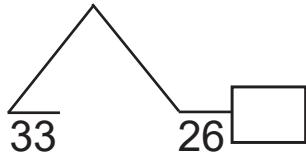
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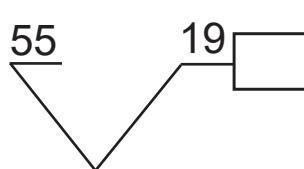
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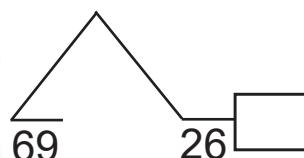
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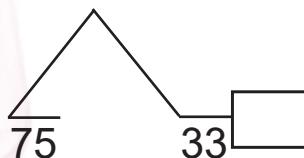
6.



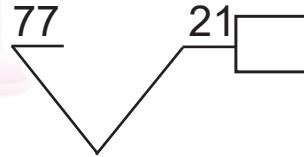
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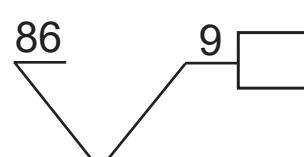
8.



9.



10.





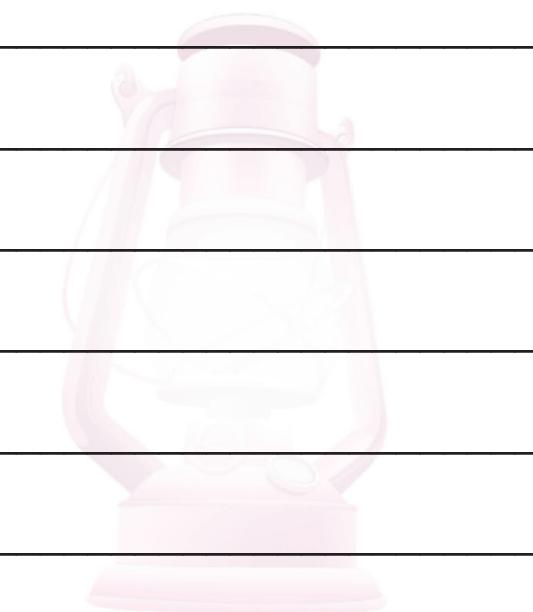
Example:



Write in words.

38 = thirty-eight

1. 66 = _____
2. 93 = _____
3. 88 = _____
4. 54 = _____
5. 78 = _____
6. 35 = _____
7. 43 = _____
8. 29 = _____
9. 87 = _____
10. 65 = _____



Test 6



Date:

Example:



y	x	w	v	u	t	s	r	o	n	i	h	g	f	e	l
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
e	l	e	v	e	n										
15	16	15	4	15	10										

1. eleven

— — — — —

6. sixteen

— — — — —

2. twelve

— — — — —

7. seventeen

— — — — —

3. thirteen

— — — — —

8. eighteen

— — — — —

4. fourteen

— — — — —

9. nineteen

— — — — —

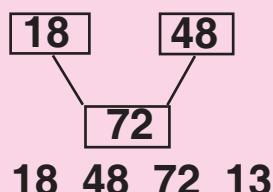
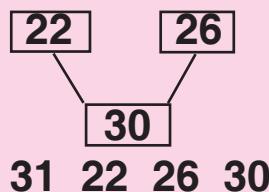
5. fifteen

— — — — —

10. twenty

— — — — —



Example:

1.
72 16 13 18

5.
18 11 48 60

9.
62 88 19 18

2.
21 76 18 34

6.
6 9 38 100

10.
72 50 41 84

3.
56 64 19 20

7.
55 62 98 34

4.
15 74 58 66

8.
91 38 56 42

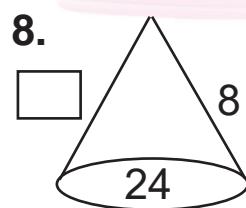
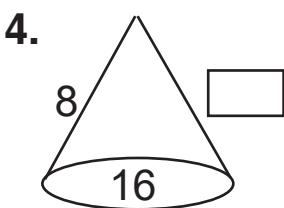
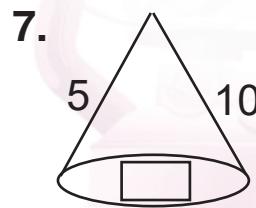
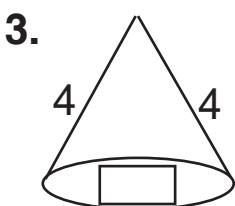
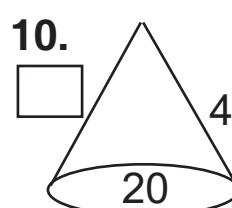
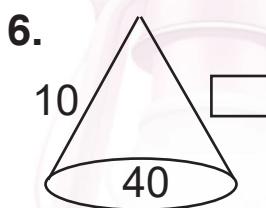
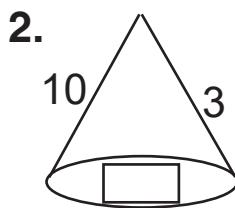
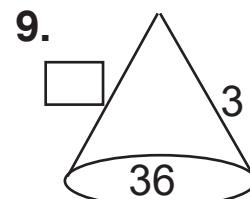
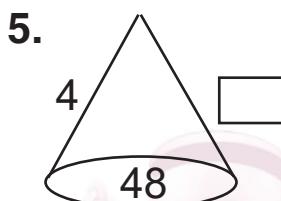
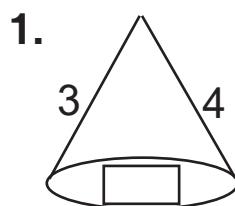
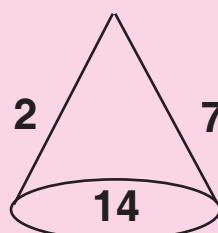
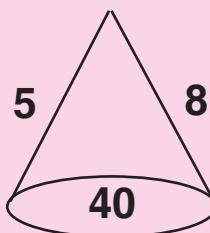


Example:**Write in figures.****seventy-two = 72**

1. ninety-three = _____
 2. fifty-five = _____
 3. eighty-four = _____
 4. sixty = _____
 5. thirty-seven = _____
 6. forty-nine = _____
 7. seventy-six = _____
 8. sixty-two = _____
 9. fifty-eight = _____
 10. forty-one = _____
- 



Example:



Example:

1.

```

graph TD
    A --- B
    A --- C
  
```

96 161 179 35

5.

```

graph TD
    A --- B
    A --- C
  
```

85 208 177 21

9.

```

graph TD
    A --- B
    A --- C
  
```

183 75 127 156

2.

```

graph TD
    A --- B
    A --- C
  
```

93 62 39 19

6.

```

graph TD
    A --- B
    A --- C
  
```

185 221 88 47

10.

```

graph TD
    A --- B
    A --- C
  
```

77 90 41 63

3.

```

graph TD
    A --- B
    A --- C
  
```

40 73 37 57

7.

```

graph TD
    A --- B
    A --- C
  
```

55 121 183 152

4.

```

graph TD
    A --- B
    A --- C
  
```

81 75 235 95

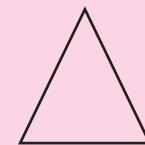
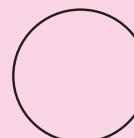
8.

```

graph TD
    A --- B
    A --- C
  
```

88 93 47 51

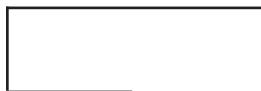


Example:

1.



3.



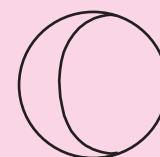
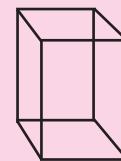
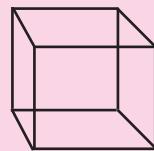
5.



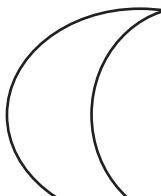
2.



4.

**B. Example:**

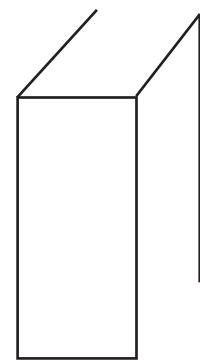
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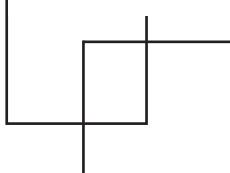
3.



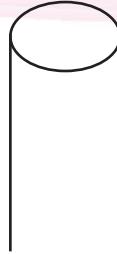
5.



2.



4.



Test 12

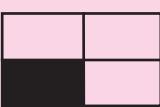


Date:

Example:



$$\frac{3}{4}$$



$$\frac{1}{4}$$



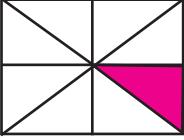
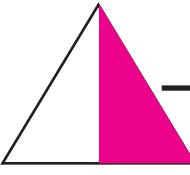
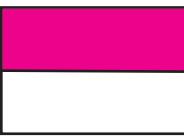
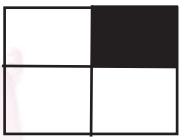
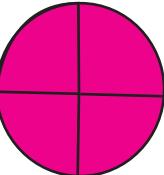
$$1$$



$$\frac{1}{2}$$



$$\frac{1}{8}$$

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 



A. Example:



$$10 \xrightarrow[\div]{} 5 \rightarrow 2$$

$$8 \xrightarrow[\div]{} 2 \rightarrow 4$$

1. $20 \xrightarrow[\div]{} 5 \rightarrow \boxed{}$

4. $40 \xrightarrow[\div]{} 10 \rightarrow \boxed{}$

2. $12 \xrightarrow[\div]{} 6 \rightarrow \boxed{}$

5. $30 \xrightarrow[\div]{} 10 \rightarrow \boxed{}$

3. $21 \xrightarrow[\div]{} 7 \rightarrow \boxed{}$

6. $24 \xrightarrow[\div]{} 3 \rightarrow \boxed{}$

B. Example:



$$\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$$

$$\frac{3}{4} \text{ of } 20 = 15$$

$$\frac{9}{12} - \frac{6}{12} = \frac{3}{12}$$

$$\frac{8}{10} - \frac{2}{10} = \frac{6}{10}$$

1. $\frac{6}{15} + \frac{\boxed{}}{15} = \frac{10}{15}$

4. $\frac{\boxed{}}{9} - \frac{7}{9} = \frac{1}{9}$

7. $\frac{6}{11} + \frac{3}{11} = \boxed{}$

2. $\frac{1}{2} \text{ of } 20 = \boxed{}$

5. $\frac{1}{3} \text{ of } 21 = \boxed{}$

8. $\frac{3}{4} \text{ of } 24 = \boxed{}$

3. $\frac{4}{12} + \frac{3}{12} = \boxed{}$

6. $\frac{10}{12} - \frac{8}{12} = \boxed{}$



Test 14

1 2 3 4 5 6 7 8 9

Date:



Example:



6	7	2
1	5	9
8	3	4

10	5	12
11	9	7
6	13	8

1.

4	11	6
	7	5
8		10

6.

	9	4
7	5	3
6	1	

2.

9		5
2	6	
7	8	3

7.

	0	12
4	10	
8	20	2

3.

8	9	7
7		9
	7	8

8.

7		3
0	4	8
5	6	1

4.

10	9	17
	12	5
7		14

9.

5	12	7
	8	6
9	4	

5.

4	0	
4	3	2
	6	2

10.

8	3	10
9	7	
4		6



NEW EDITION

Score:

77

Example:

5	10	9
12	8	4
7	6	11

4	11	6
9	7	5
8	3	10

1.

9		5
	8	
11	6	

2.

3		7
	6	
		9

3.

4		8
		1
2		6

4.

3		
	9	
7		15

5.

		4
7	5	3
	1	

6.

8	3	10
9	7	

7.

7		3
0		
5		4

8.

5		7
		6
5		11

9.

16		
	10	
12		4

10.

14		
	11	
12		8



A. Example:

$$16 - a = 9 \longrightarrow 16 - \underline{7} = 9$$

$$8 + d = 17 \longrightarrow 8 + \underline{9} = 17$$

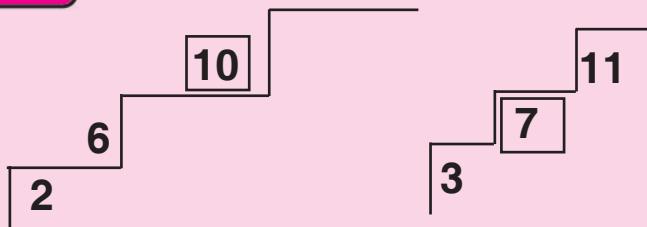
$$1. \ g - 10 = 9 \longrightarrow \underline{\quad} - 10 = 9$$

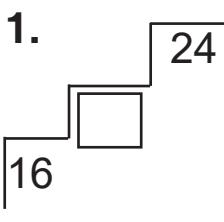
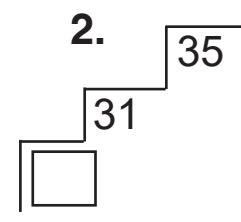
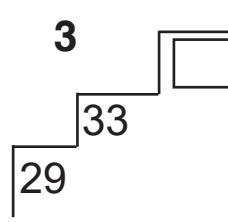
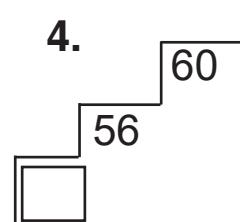
$$2. \ j + 5 = 11 \longrightarrow \underline{\quad} + 5 = 11$$

$$3. \ 13 - m = 5 \longrightarrow 13 - \underline{\quad} = 5$$

$$4. \ 9 + p = 13 \longrightarrow 9 + \underline{\quad} = 13$$

$$5. \ s - 8 = 9 \longrightarrow \underline{\quad} - 8 = 9$$

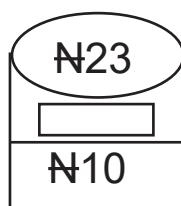
B. Example:

1.  2.  3.  4. 



**A. Example:**

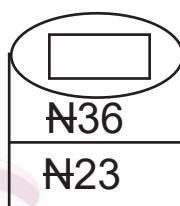
1.



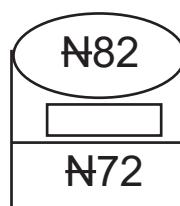
2.



3.



4.

**B. Example:**

$925 \quad > \quad 913$

$2 \times 4 \quad < \quad 10$

$14 + 3 \quad = \quad 17$

$570 \quad > \quad 507$

$1. \quad 713 \quad ? \quad 731$

$5. \quad 25 \div 5 \quad ? \quad 5 \times 5$

$2. \quad 42 + 5 \quad ? \quad 47 + 0$

$6. \quad 923 \quad ? \quad 932$

$3. \quad 2 \times 9 \quad ? \quad 18$

$7. \quad 75 - 5 \quad ? \quad 60$

$4. \quad 10 \times 2 \quad ? \quad 25$

$8. \quad 10 \times 7 \quad ? \quad 10 + 7$



A. Example:

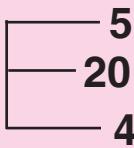
$$5 + q = 12 \longrightarrow$$

$$5 - \underline{7} = 12$$

$$16 + r = 8 \longrightarrow$$

$$16 + \underline{8} = 8$$

1. $20 - p = 5$ 6. $m + 6 = 10$
 2. $15 + r = 30$ 7. $k - 2 = 12$
 3. $17 + k = 25$ 8. $26 - n = 20$
 4. $r - 21 = 24$ 9. $50 + b = 83$
 5. $w + 5 = 27$ 10. $4 + 14 = q$

**B. Example:**

1.

5
25
<input type="text"/>

 2.

<input type="text"/>
16
4

 3.

10
<input type="text"/>
3

 4.

3
15
<input type="text"/>

 5.

<input type="text"/>
10
2

 6.

8
40
<input type="text"/>

 7.

6
<input type="text"/>
4

 8.

25
50
<input type="text"/>

 9.

3
12
<input type="text"/>

 10.

5
<input type="text"/>
7

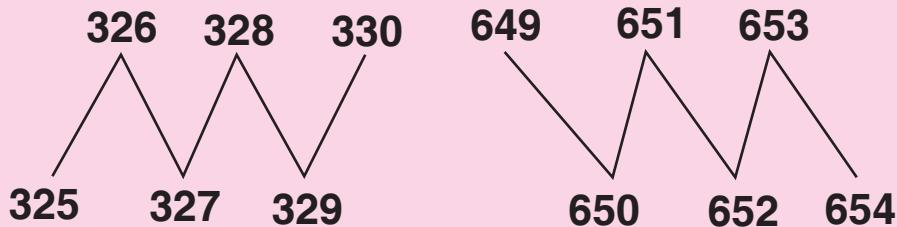


**Example:****J U S T I C E****1 2 3 4 5 6 7****JUICE = 1 2 5 6 7****Solve**

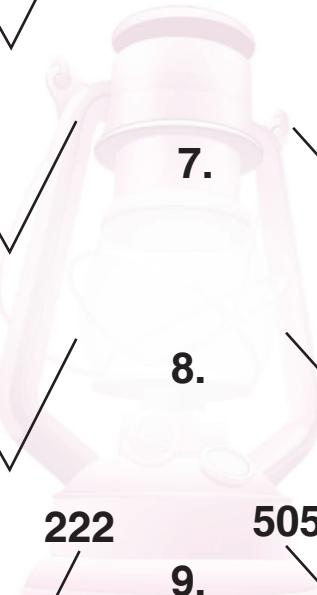
1. TEST
2. TIE
3. ICE
4. SECT
5. JET
6. SITE
7. JEST
8. SET
9. JUST
10. CITE



Example:

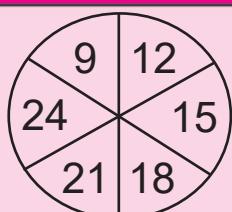


1. 186
2. 617
3. 325
4. 222
5. 106
6. 702
7. 411
8. 909
9. 505
10. 800

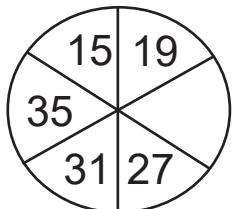




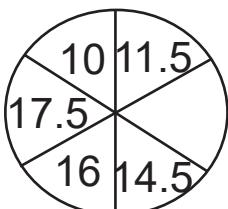
Example:



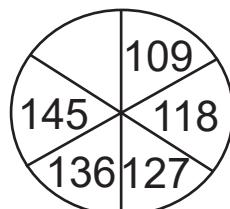
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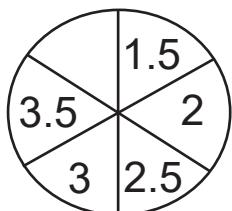
5.



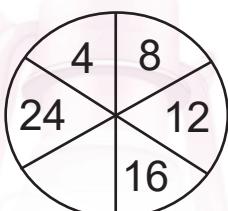
9.



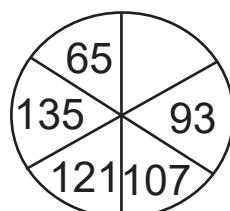
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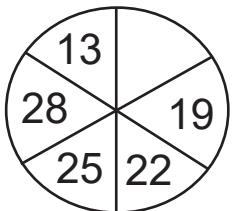
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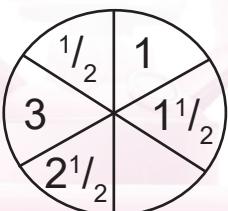
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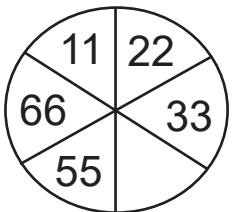
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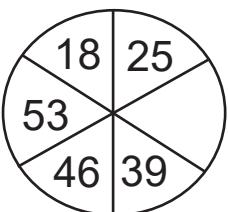
7.



4.



8.

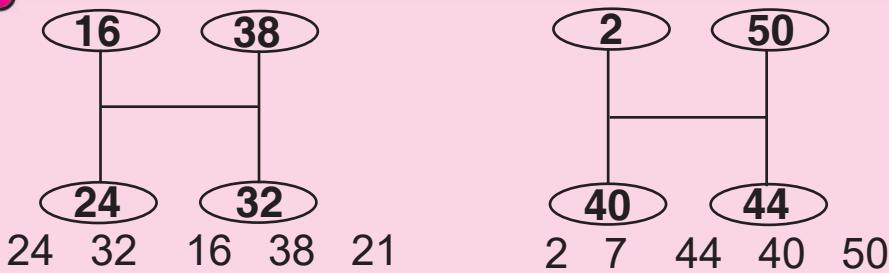


Test 22

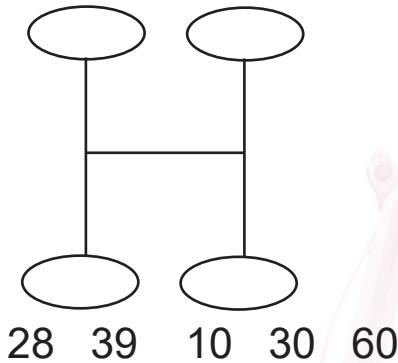


Date:

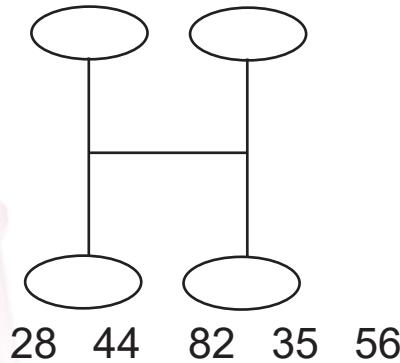
Example:



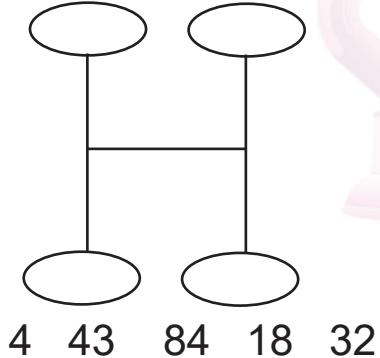
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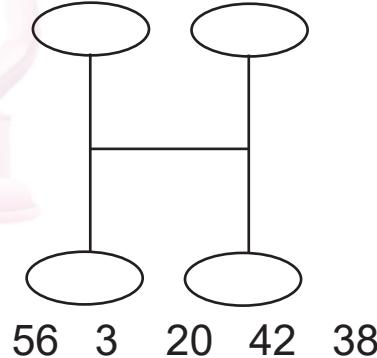
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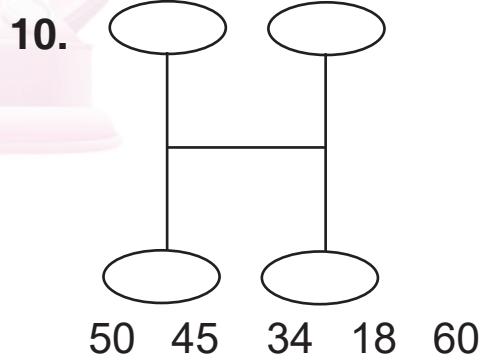
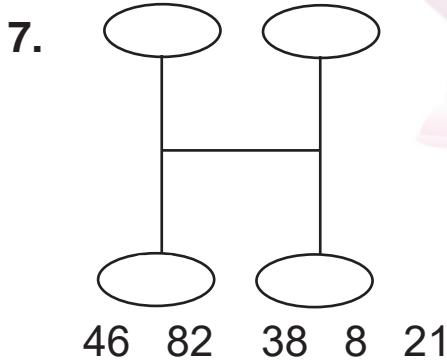
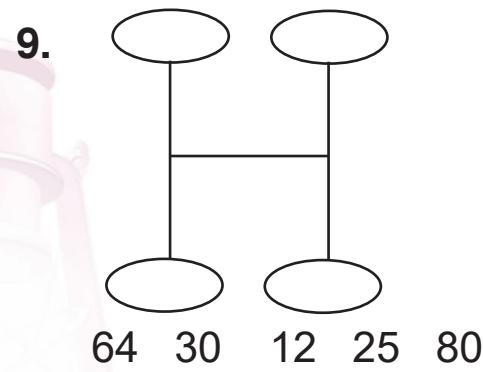
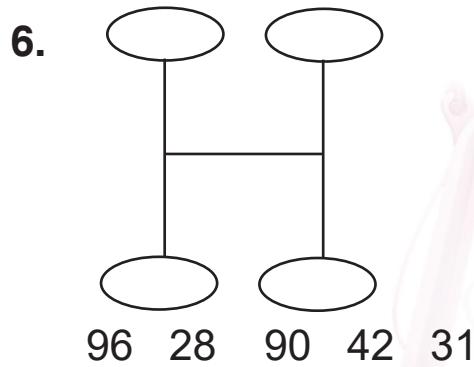
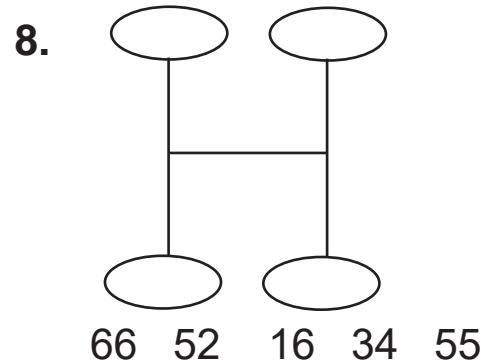
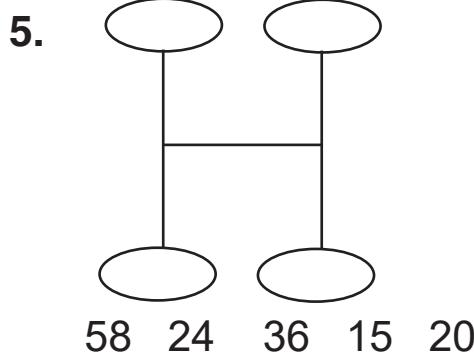


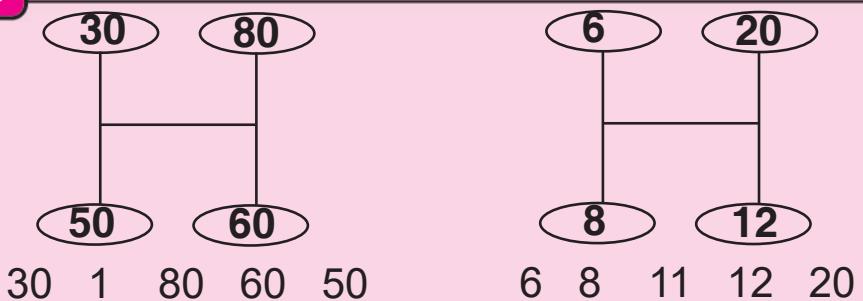
2.



4.

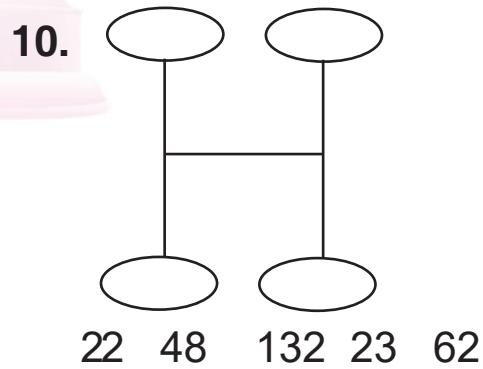
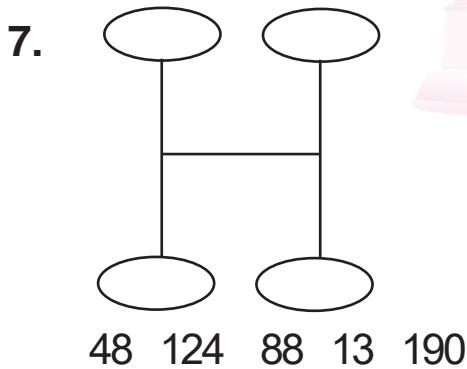
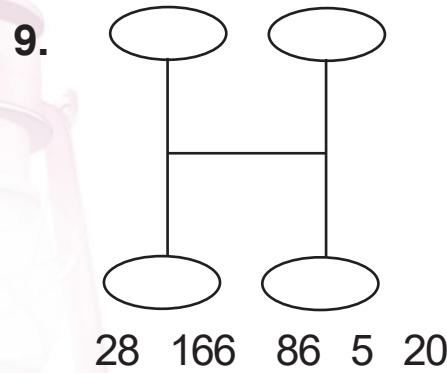
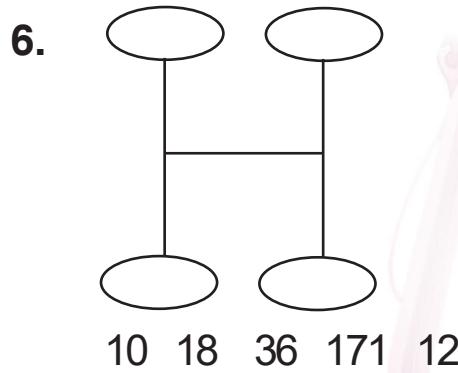
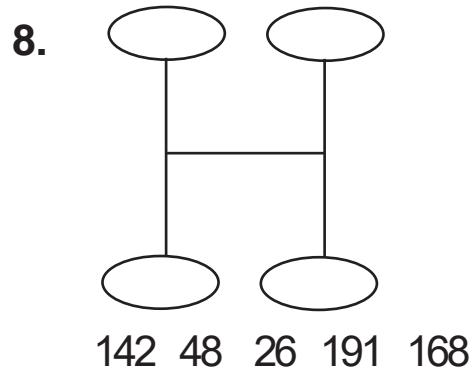
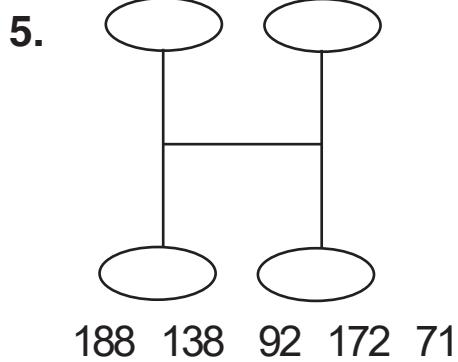


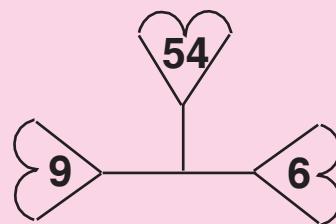
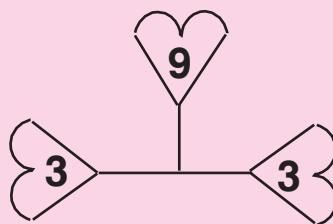


**Example:**

1. $130 \quad 31 \quad 60 \quad 150 \quad 40$
3. $8 \quad 91 \quad 44 \quad 2 \quad 18$
2. $110 \quad 12 \quad 22 \quad 61 \quad 174$
4. $142 \quad 18 \quad 178 \quad 73 \quad 96$





Example:

- 1.
-
- 6.
-
- 2.
-
- 7.
-
- 3.
-
- 8.
-
- 4.
-
- 9.
-
- 5.
-
- 10.
-

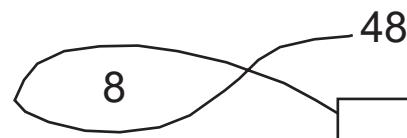


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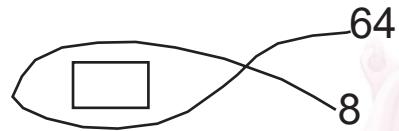
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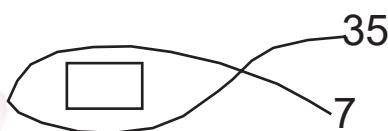
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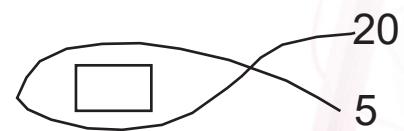
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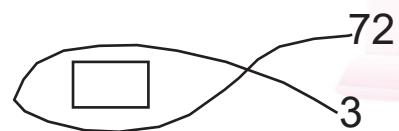
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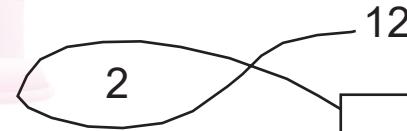
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4.



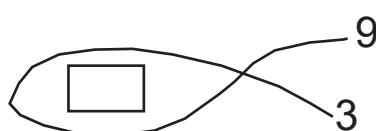
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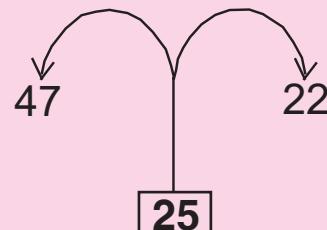
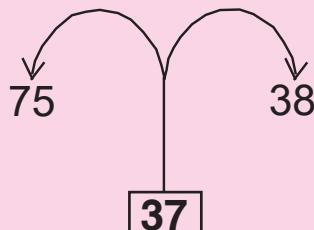


5.



10.



Example:

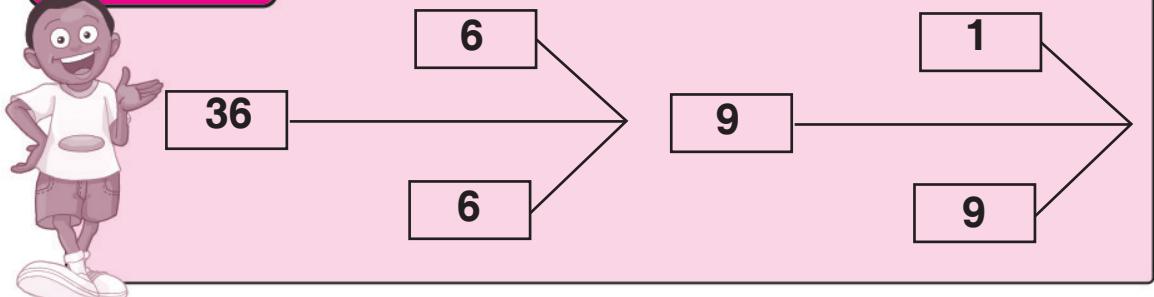
1.  28 15
2.  21 8
3.  48 17
4.  89 25
5.  93 45
6.  16 24
7.  80 66
8.  35 15
9.  7 9
10.  64 29



Example:

36

6



1.

16

8

6.

40

10

2.

20

4

7.

3

3.

5

8.

24

8

4.

4

9.

48

4

5.

3

10.

36

4



Example:

3	3	6
5	4	9
6	1	7

- | | | | |
|-----|---------------|---------------|----|
| 1. | 2 | 1 | |
| 2. | | 1 | 2 |
| 3. | 2 | 6 | |
| 4. | | 4 | 7 |
| 5. | | 1 | 10 |
| 6. | $\frac{1}{2}$ | $\frac{1}{2}$ | |
| 7. | 8 | 3 | 8 |
| 8. | | 1 | 1 |
| 9. | 4 | | 8 |
| 10. | 5 | 6 | |



Example:

14

2

7

18

2

9

1.

3

2

6.

5

5

2.

8

2

7.

9

2

3.

2

12

8.

4

7

4.

7

2

9.

5

6

5.

6

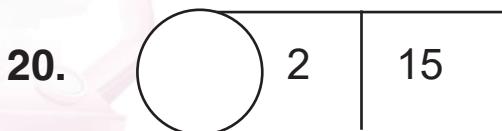
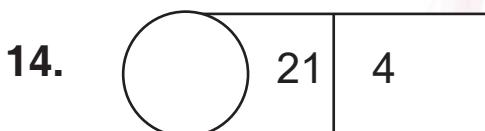
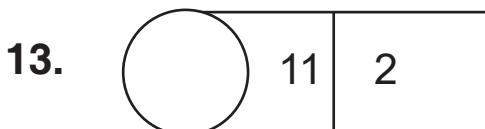
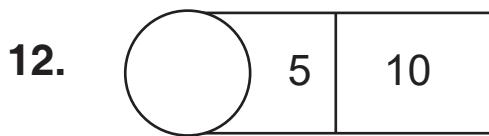
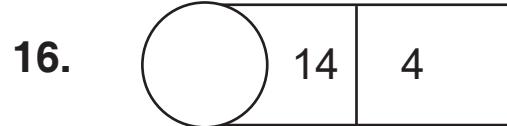
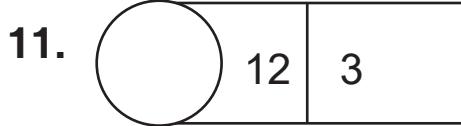
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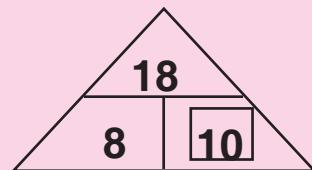
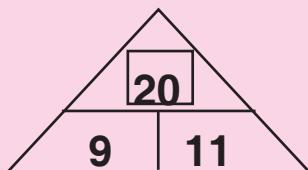
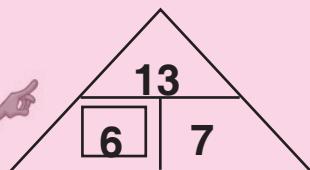
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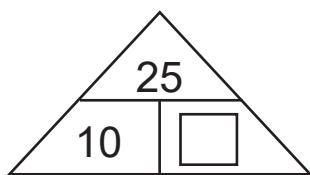




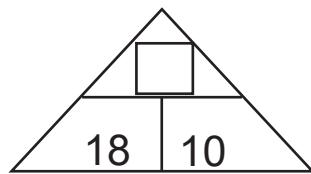
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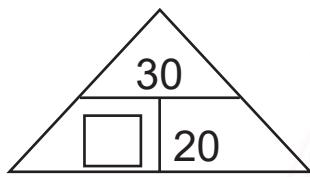
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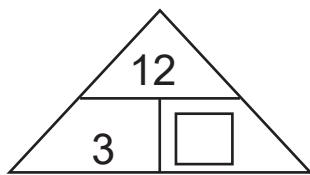
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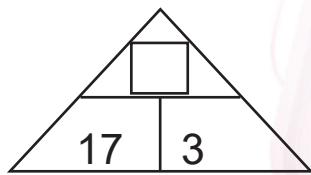
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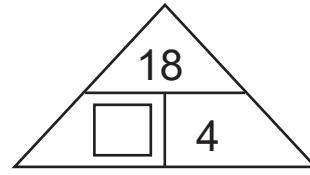
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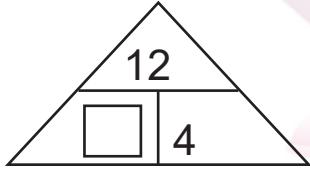
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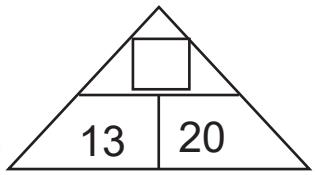
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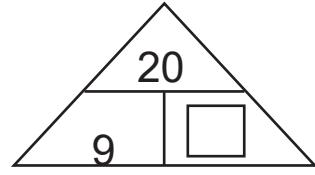
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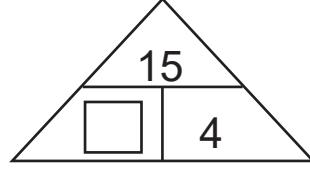
9.



5.



10.



Example:

291	
288	290
289	

305	
302	304
303	

1.

377	

6.

309	

2.

209	
206	

7.

290	

3.

389	

8.

369	

4.

299	
298	

9.

400	

5.

255	

10.

249	





Example:



- 1.
- 4.
- 7.
- 2.
- 5.
- 8.
- 3.
- 6.
- 9.
- 10.



Example:

$$\begin{array}{c} 36 \\ \diagup \quad \diagdown \\ 9 \end{array} = 4$$

$$\begin{array}{c} 14 \\ \diagup \quad \diagdown \\ 7 \end{array} = 2$$

1. $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ 10 \end{array} = 3$

6. $\begin{array}{c} 24 \\ \diagup \quad \diagdown \\ 3 \end{array} = \square$

2. $\begin{array}{c} 48 \\ \diagup \quad \diagdown \\ \square \end{array} = 4$

7. $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ 10 \end{array} = 4$

3. $\begin{array}{c} \square \\ \diagup \quad \diagdown \\ 9 \end{array} = 5$

8. $\begin{array}{c} 32 \\ \diagup \quad \diagdown \\ 8 \end{array} = \square$

4. $\begin{array}{c} 34 \\ \diagup \quad \diagdown \\ 2 \end{array} = \square$

9. $\begin{array}{c} 33 \\ \diagup \quad \diagdown \\ \square \end{array} = 11$

5. $\begin{array}{c} 50 \\ \diagup \quad \diagdown \\ \square \end{array} = 10$

10. $\begin{array}{c} 27 \\ \diagup \quad \diagdown \\ 9 \end{array} = \square$



Test 34



Date:

Example:



1. $40 + 5 + \square = 46$

6. $27 + \square + 9 = 45$

2. $24 + \square + 2 = 28$

7. $12 + 4 + \square = 16$

3. $\square + 6 + 10 = 18$

8. $32 + \square + 4 = 36$

4. $16 + \square + 2 = 18$

9. $12 + 6 + \square = 18$

5. $35 + 7 + \square = 42$

10. $30 + \square + 10 = 40$

100



NEW EDITION

Score:

Write in words or figures.

1. 20 = _____

2. 60 = _____

3. Seventy = _____

4. Ninety = _____

6. 80 = _____

7. Hundred = _____

8. Fifty = _____

9. 40 = _____

10. 10 = _____



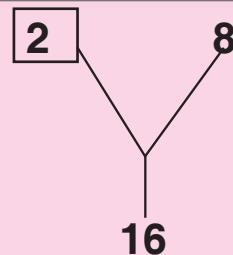
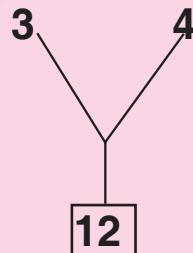
Example:

y	x	w	v	u	t	s	r
1	2	3	4	5	6	7	8
o	n	i	h	g	f	e	l
9	10	11	12	13	14	15	16

7 11 2 6 15 15 10 → sixteen

1. 6 3 15 10 6 1 _____
2. 10 11 10 15 6 15 15 10 _____
3. 15 11 13 12 6 15 15 10 _____
4. 7 15 4 15 10 65 15 10 _____
5. 7 11 2 6 15 15 10 _____
6. 14 11 14 6 15 15 10 _____
7. 14 9 5 8 6 15 15 10 _____
8. 6 12 11 8 6 15 15 10 _____
9. 6 3 15 16 4 15 _____
10. 15 16 15 4 15 10 _____



Example:

1. $\begin{array}{c} 4 \\ \swarrow \quad \searrow \\ \square \end{array}$

5. $\begin{array}{c} 3 \\ \swarrow \quad \searrow \\ \square \end{array}$

9. $\begin{array}{c} \square \\ \swarrow \quad \searrow \\ 24 \end{array}$

2. $\begin{array}{c} 2 \\ \swarrow \quad \searrow \\ \square \end{array}$

6. $\begin{array}{c} \square \\ \swarrow \quad \searrow \\ 40 \end{array}$

10. $\begin{array}{c} 4 \\ \swarrow \quad \searrow \\ \square \end{array}$

3. $\begin{array}{c} \square \\ \swarrow \quad \searrow \\ 50 \end{array}$

7. $\begin{array}{c} 10 \\ \swarrow \quad \searrow \\ \square \end{array}$

4. $\begin{array}{c} 4 \\ \swarrow \quad \searrow \\ \square \end{array}$

8. $\begin{array}{c} 5 \\ \swarrow \quad \searrow \\ 40 \end{array}$



Example:

5 → 25 → 5

1 → 5 → 5

3 → 12 → 4

1. $\bigcirc \rightarrow 2 \rightarrow 1$

7. $3 \rightarrow \bigcirc \rightarrow 10$

2. $5 \rightarrow \bigcirc \rightarrow 7$

8. $7 \rightarrow 49 \rightarrow \bigcirc$

3. $\bigcirc \rightarrow 21 \rightarrow 3$

8. $8 \rightarrow 64 \rightarrow \bigcirc$

4. $12 \rightarrow 24 \rightarrow \bigcirc$

9. $\bigcirc \rightarrow 50 \rightarrow 25$

4. $2 \rightarrow \bigcirc \rightarrow \bigcirc$

10. $2 \rightarrow 28 \rightarrow \bigcirc$



Example:

151

29

39

166 29 39 151

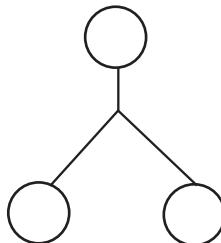
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41

125

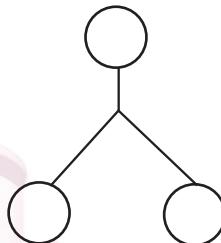
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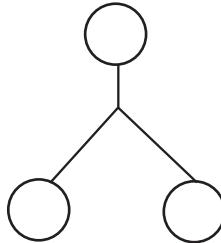
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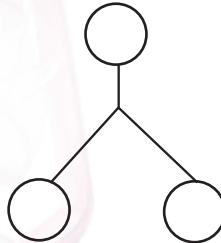
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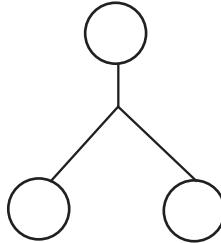
89 173 53 82

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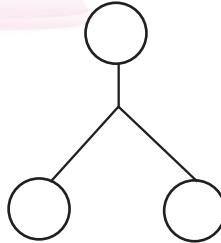
161 155 73 86

3.



39 62 199 65

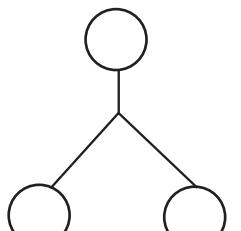
6.



36 151 163 19

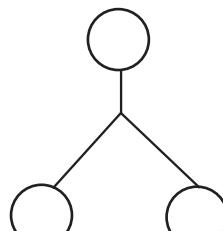


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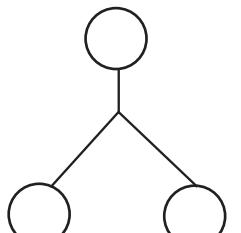
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4.



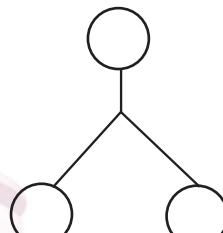
87 143 144 171

8.



173 127 56 41

5.



33 157 53 176





STEPS TO QUANTITATIVE REASONING

For Primary Schools

2

Ore Olunloyo



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Preface



Steps to Quantitative Reasoning is a collection of carefully graded books designed to put pupils through the skills needed for quantitative reasoning.

It is hoped that at the end of the series, the pupils who use it would have a basic understanding in tackling any past question papers on Quantitative Aptitude, and that it would guide the child step-by-step to a brilliant performance in the common entrance examination, Universal Basic Education examination and similar intelligence tests. Since solutions to problems in the books demand careful attention and reasoning, the series impact, gradually, these skills to children.

It is however very important for the teacher to structure the learning process even though the exercises are self-explanatory.

Remember, we learn by doing, but we learn best of all by doing correctly.

In each of the books, the exercises and tests become progressively difficult. The books can be used at home and in school. There is an answer book for the series.

In this revised edition, more exercises have been included to expand further the pupils' activities and to prepare them for Universal Basic Education examinations.

Steps to Quantitative Reasoning has a companion series called *Steps to Verbal Reasoning*.

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Basic Operations