Exercise 1

Date:

Example:

680, _____, 684, _____, _____, 690	**680, 682, 684, 686, 688,690,**
_____, 720, _____, _____, 735, _____	**715, 720, 725, 730, 735, 740**
399, 499, _____, _____, 799, _____	**399, 499, 599, 699, 799, 899**

1. 15, _____, _____, 30, _____, 40

2. 530, _____, 534, _____, 538, _____

3. _____, 200, _____, 400, _____, _____

4. 150, _____, _____, 300, _____, 400

5. _____, 70, _____, _____, 100, _____, 400

6. _____, _____, 930, 940, _____, _____

7. 51, 61, _____, _____, 91, _____

8. 300, _____, 500, _____, _____, 800

9. 160, _____, _____, 175, _____, _____

10. _____, 246, _____, 250, _____, _____

11.	21,	31,	____,	____,	____,	71.
12.	____,	____,	20,	30,	40,	____.
13.	5,	15,	____,	____,	____,	55.
14.	2,	7,	____,	____,	22,	____.
15.	11,	21,	____,	____,	____,	____.
16.	10,	110,	210,	____,	____,	____.
17.	8,	10,	____.	____,	____,	18.
18.	____,	800,	810,	820,	_____,	____.
19.	205,	210,	____,	____,	____,	____.
20.	____,	____,	500,	____,	700,	800.
21.	____,	____,	1,102,	____,	_____,	_____.
22.	999,	____,	____,	____,	_____,	1,004.
23.	____,	____,	_____,	897,	_____,	_____.
24.	534,	____,	____,	____,	_____,	539.
25.	____,	____,	____,	670,	_____,	672.

Exercise 2a

Date:

Example:

8	7	30
10	5	

18	22	80
6	34	

15	2	34
9	8	

1.

11	14	50
9		

2.

10	25	
17	18	

3.

	9	22
5	6	

4.

17		80
24	16	

5.

11	10	44
	3	

6.

28	14	
12	30	

7.

6	13	38
	18	

8.

	30	90
37	8	

9.

30	30	
10	50	

10.

15	85	200
69		

11.

110		340
80	90	

12.

	160	500
120	130	

13.

20	25	
33	12	

14.

23	11	68
17		

15.

	57	224
90	22	

Exercise 2b

Date:

Example:

7	18
11	14

38	12
10	40

1

15	☐
6	14

2.

☐	12
14	9

3.

10	24
19	☐

4.

13	23
☐	16

5.

18	20
14	☐

6.

☐	11
19	0

7.

32	12
☐	8

8.

13	☐
17	24

Score:

Exercise 3a

Date:

Example:

302 101 403

65 92 157

1.

116 15 ☐

2.

☐ 48 65

3.

45 ☐ 125

4.

☐ 85 320

5.

97 ☐ 283

6.

588 224 ☐

7.

33 ☐ 102

8.

229 285 ☐

9.

310 109 ☐

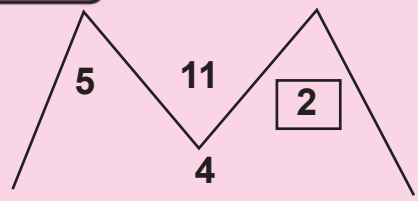
10.

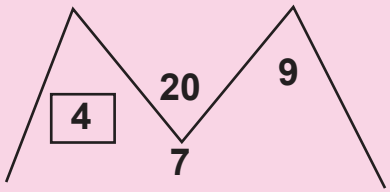
☐ 8 23

Exercise 3b

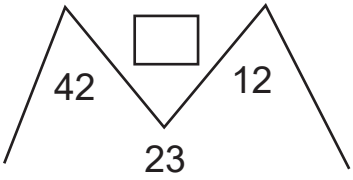
Date:

Example:





1.



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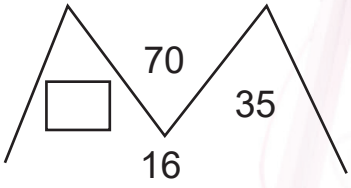

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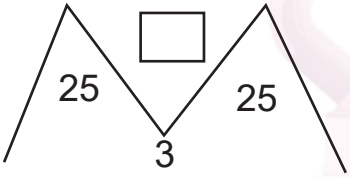

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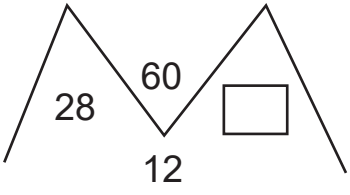

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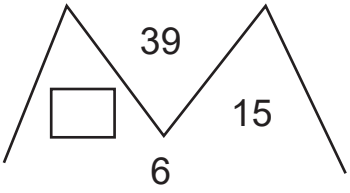
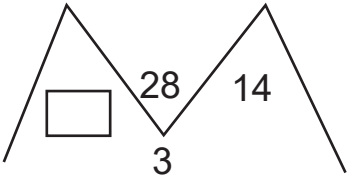
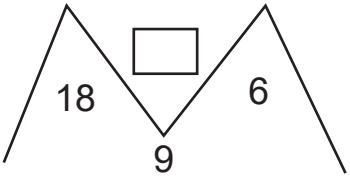


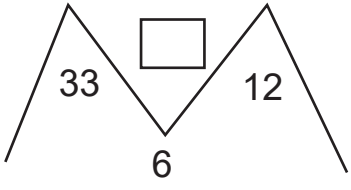
6.



7.

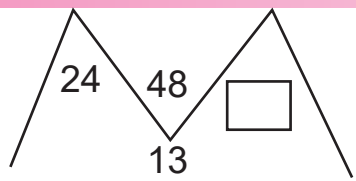


8.



Score:

9.



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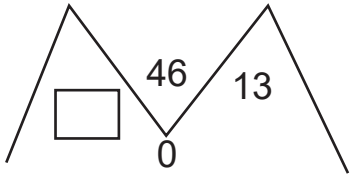
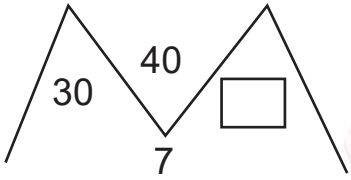
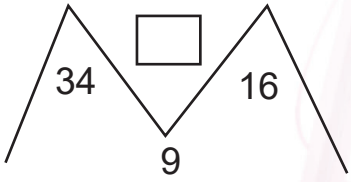


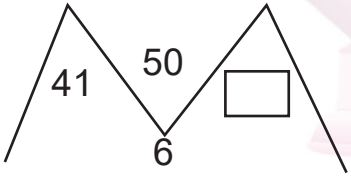
11.



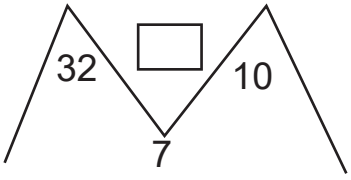
12.



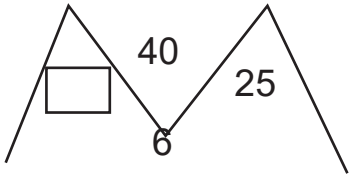
13.



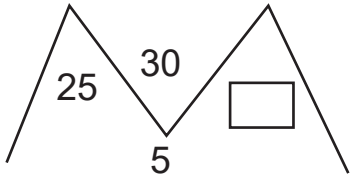
14.



15.



16.



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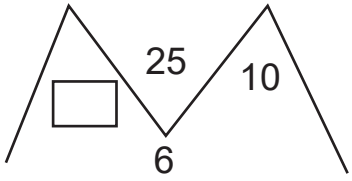

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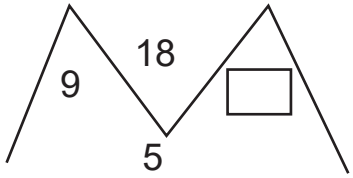

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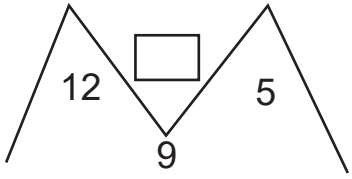

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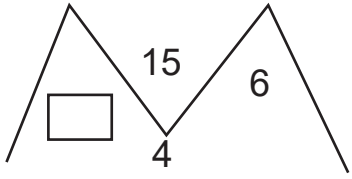


Exercise 3c

Date:

Example:

30 24 54

56 50 106

42 36 78

1. 63 30 ☐

2. 25 ☐ 46

3. ☐ 44 71

4. 195 152 ☐

5. ☐ 168 285

6. 196 ☐ 600

7. 144 252 ☐

8. ☐ 95 176

9. 264 ☐ 534

Score:

10. 111 19 ☐

11. 16 ☐ 40

12. ☐ 58 118

13. 13 80 ☐

14. 57 ☐ 145

15. ☐ 507 827

16. 128 188 ☐

17. 119 39 ☐

18. ☐ 95 365

19. 102 ☐ 528

20. ☐ 600 900

Exercise 4a

Date:

Example:

2 — 4
2

2 — 8
4

1. 6 — 24
[ ]

2. [ ] — 20
10

3. 4 — [ ]
15

4. 14 — 56
[ ]

5. [ ] — 16
8

6. 11 — 44
[ ]

7. 8 — [ ]
16

8. [ ] — 64
32

9. 10 — 40
[ ]

10. [ ] — 26
13

Score:

11. 15 ____ ☐ ____ 30

12. 12 ____ 48 ____ ☐

13. ☐ ____ 24 ____ 6

14. 12 ____ ☐ ____ 24

15. 7 ____ 28 ____ ☐

16. ☐ ____ 36 ____ 18

17. 3 ____ ☐ ____ 6

18. 5 ____ 20 ____ ☐

19. ☐ ____ 24 ____ 12

20. 4 ____ ☐ ____ 8

Exercise 4b

Date:

Example:

₵6.20p	₵8.10p
₵3.20p	₵5.10p
₵9.40p	₵13.20p

1.25p

1.

₵8.30p	
₵2.	

6.

₵0.50p	
₵0.25p	

₵10.75p	
₵20.00p	

7.

₵17.88p	
₵4.30p	

3.

₵1.08p	
₵0.01p	

8.

₵5.33p	
₵4.26p	

4.

₵55.00p	
₵10.77p	
₵	

9.

₵11.20p	
₵7.19p	

5.

₵23.15p	
₵17.15p	

10.

₵20.00p	
₵6.42p	

Score:

11. ₵10.00p − ₵2.04p = _____

12. ₵6.23p − ₵5.21p = _____

13. ₵52.00p − ₵22.00p = _____

14. ₵14.00p − ₵6.77p = _____

15. ₵11.32p − ₵2.41p = _____

16. ₵16.39p − ₵8.21p = _____

17. ₵11.24p − ₵10.14p = _____

18. ₵9.27p − ₵7.14p = _____

19. ₵3.28p − ₵1.47p = _____

20. ₵33.02p − ₵16.13p = _____

Exercise 4c

Date:

Example:

£ 434 = 400 + 30 + 4
£ 178 = 100 + 70 + 8

1. £ 185 = ☐ + 80 + 5
2. £ 319 = 300 + 10 + ☐
3. £ ☐ = 500 + 30 + 2
4. £ 808 = 800 + ☐ + 8
5. £ 417 = ☐ + 10 + 7
6. £ 661 = 600 + 60 + ☐
7. £196 = 100 + ☐ + ☐
8. £942 = ☐ + ☐ + 2
9. £300 = ☐ + ☐ + ☐
10. £777 = ☐ + ☐ + ☐

Score:

Exercise 5a

Date:

Example:

₦6.32 ₦5.11 → ₦1.21

$18.22 $6.10 → $12.12

1. ₦0.78 ₦0.59 → ☐

2. ₦52.50 ₦25.15 → ☐

3. ₦21.20 ₦8.11 → ☐

4. ₦16.20 ₦7.10 → ☐

5. ₦8.42 ₦6.36 → ☐

6. $10.94 $5.25 → ☐

7. $33.42 $21.11 → ☐

8. $34.16 $32.12 → ☐

9. $18.40 $4.20 → ☐

10. $5.50 $4.25 → ☐

11. ₦2.05 ₦1.85 ☐

12. ₦14.20 ₦6.13 ☐

13. ₦8.80 ₦4.34 ☐

14. ₦17.20 ₦8.10 ☐

15. ₦33.41 ₦31.40 ☐

16. $20.05 $10.10 ☐

17. $8.36 $6.12 ☐

18. $7.25 $5.13 ☐

19. $14.20 $6.20 ☐

20. $6.39 $2.22 ☐

Date:

C. Example:

₦63.50 — ₦40.30

₦23.20

₦24.60 — ₦20.30

₦4.30

₦53.60 — ₦22.40

₦31.20

1. [ ] — ₦51.03

₦0.66

2. ₦30.44 — ₦24.22

[ ]

3. ₦80.20 — [ ]

₦26.10

4. ₦90.00 — ₦50.50

[ ]

5. [ ] — ₦3.05

₦2.10

6. [ ] — ₦8.30

₦16.20

7. ₦15.30 — ₦4.10

[ ]

8. ₦12.33 — [ ]

₦3.03

Score:

9. [ ] — ₦10.20
₦4.20

10. ₦64.00 — ₦50.03
[ ]

11. [ ] — ₦2.30
8.60

12. ₦20.20 — [ ]
₦15.03

13. [ ] — ₦12.00
₦15.03

14. ₦110.00 — ₦53.00
[ ]

15. ₦60.30 — ₦40.10
[ ]

16. [ ] — ₦2.06
₦42.04

17. ₦18.20 — [ ]
₦5.10

18. ₦40.30 — ₦10.10
[ ]

19. [ ] — ₦18.20
₦5.10

20. ₦20.60 — [ ]
₦15.20

Exercise 6a

Date:

Example:

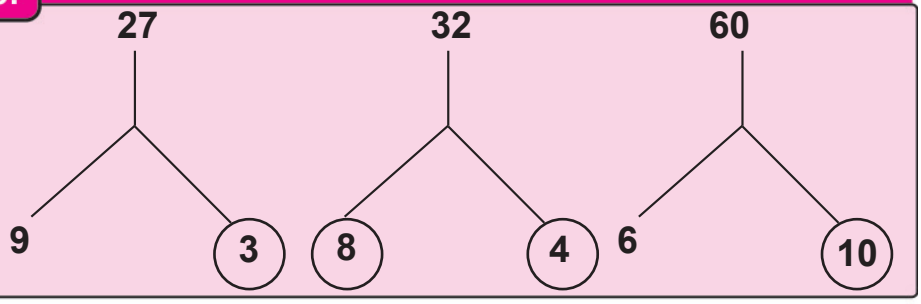
3 — (36) — 12 8 — (72) — 9

1. [ ] — (60) — 5
2. [4] — ( ) — 9
3. [ ] — (63) — 7
4. 2 — (26) — [ ]
5. 4 — ( ) — 12
6. 6 — (66) — [ ]
7. [ ] — (42) — 7
8. 5 — ( ) — 10
9. 5 — (16) — [ ]
10. [ ] — (30) — 5
11. 9 — ( ) — 2
12. 3 — (27) — [ ]
13. [ ] — (84) — 12
14. 8 — (64) — [ ]

Exercise 6b

Date:

Example:



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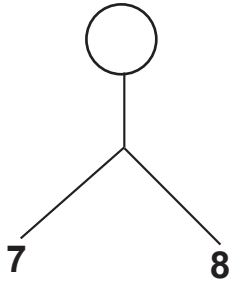
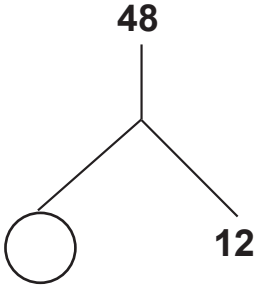


3.



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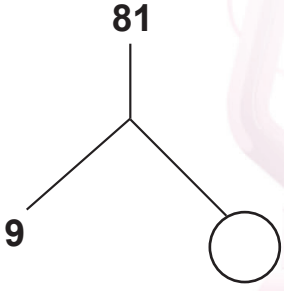
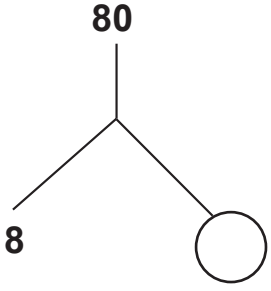


4.



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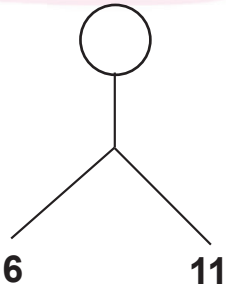
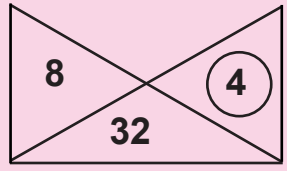


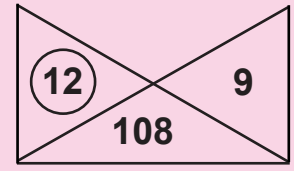
Score:

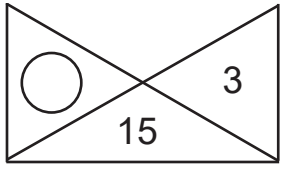
Exercise 6c

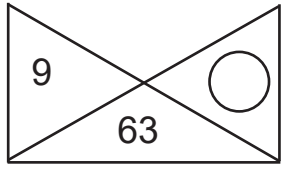
Date:

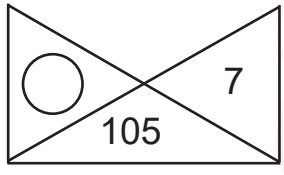
Example:

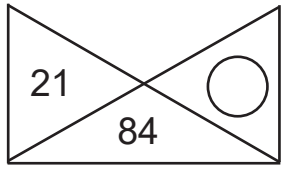


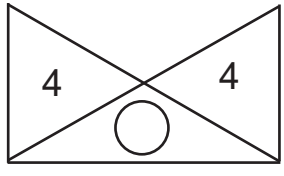


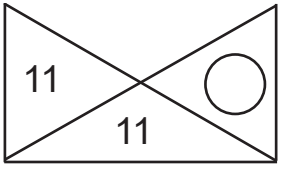
1. 

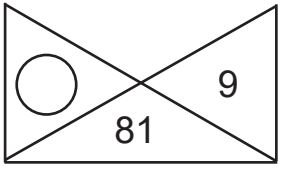
2. 

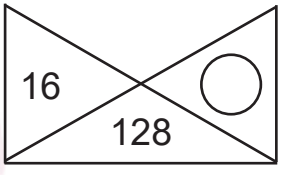
3. 

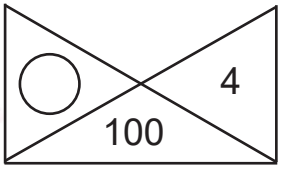
4. 

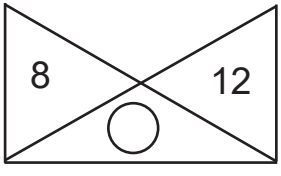
5. 

6. 

7. 

8. 

9. 

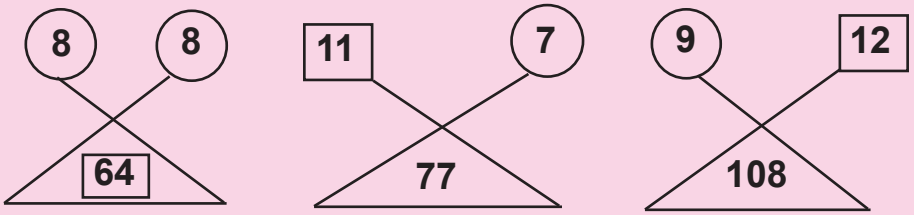
10. 

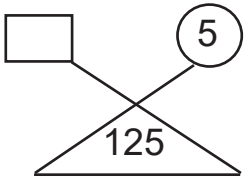
Score:

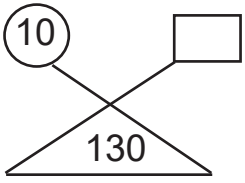
Exercise 6d

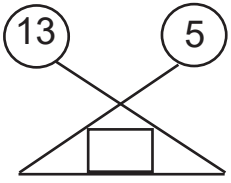
Date:

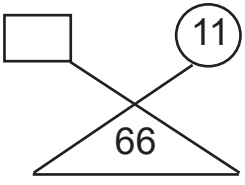
Example:

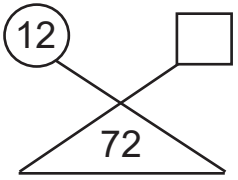


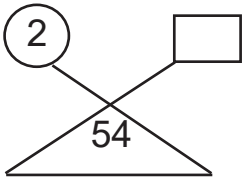
1. 

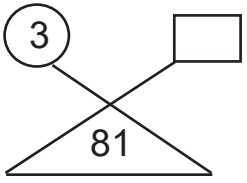
2. 

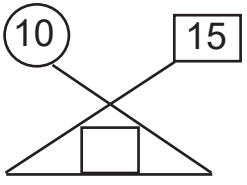
3. 

4. 

5. 

6. 

7. 

8. 

Score:

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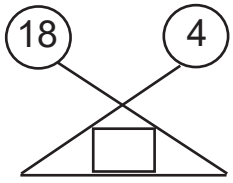

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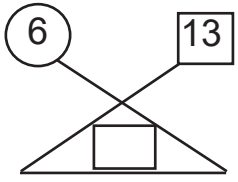

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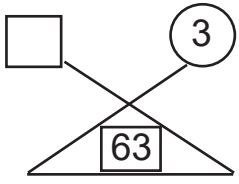

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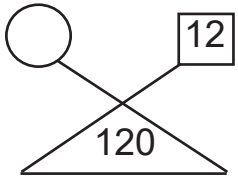

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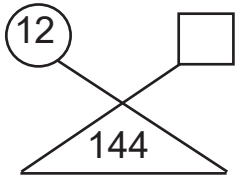

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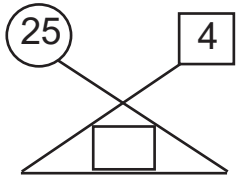

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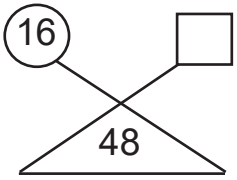

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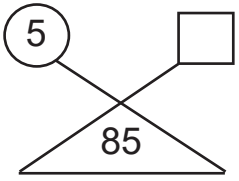

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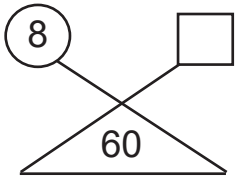

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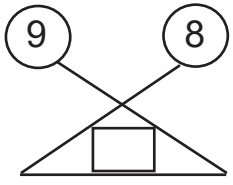

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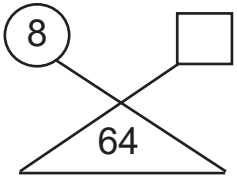

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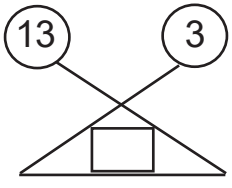


Exercise 7a

Date:

Example:

2 ₦ 3 = (2 x 3) – 2 = 6 – 2 = 4
4 ₦ 1 = (4 x 1) – 4 = 4 – 4 = 0
5 ₦ 2 = (5 x 2) – 5 = 10 – 5 = 5

1. 6 ₦ 5 = (6 x ☐) – 6 = 30 – 6 = 24

2. 2 ₦ 8 = (2 x 8) – ☐ = 16 – 2 = 14

3. 3 ₦ 4 = (3 x 4) – 3 = ☐ – 3 = 9

4. 7 ₦ 5 = (7 x 5) – 7 = 35 – ☐ = 28

5. 4 ₦ 4 = (4 x 4) – 4 = 16 – 4 = ☐

6. 2 ₦ 10 = (☐ x 10) – 2 = 20 – 2 = 18

7. 8 ₦ 3 = (8 x 3) – 8 = ☐ – 8 = 16

8. 5 ₦ 3 = (5 x 3) – ☐ = 15 – 5 = 10

9. 7 ₦ 2 = (7 x 2) – 7 = 14 – ☐ = 7

10. 3 ₦ 9 = (3 x 9) – 3 = ☐ – 3 = 24

Score:

Exercise 7b

Date:

Example:

8 £ 2 = (8 ÷ 2) + 2 = 4 + 2 = 6

12 £ 3 = (12 ÷ 3) + 3 = 4 + 3 = 7

9 £ 9 = (9 ÷ 9) + 9 = 1 + 9 = 10

1. 15 £ 3 = (15 ÷ ☐) + 3 = 5 + 3 = 8

2. 24 £ 8 = (24 ÷ 8) + ☐ = 3 + 8 = 11

3. 10 £ ☐ = (10 ÷ 2) + 2 = 5 + 2 = 7

4. ☐ £ 6 = (24 ÷ 6) + 6 = 4 + 6 = 10

5. 21 £ 7 = (21 ÷ 7) + ☐ = 3 + 7 = 10

6. 44 £ 11 = (44 ÷ ☐) + 11 = 4 + 11 = 15

7. 60 £ 12 = (☐ ÷ 12) + 12 = 5 + 12 = 17

8. 72 £ 6 = (72 ÷ 6) + 6 = ☐ + 6 = 18

9. 100 £ 25 = (100 ÷ 25) + 25 = ☐ + 25 = 29

10. 96 £ 3 = (96 ÷ 3) + 3 = ☐ + 3 = 35

Exercise 8a

Date:

Example:

₦5 ₦2 ₦10

₵12 ₵3 ₵36

1. ₦6 ₦4

2. ₦5 ₦12

3. ₦4 ₦3

4. ₦4 ₦4

5. ₵4 ₵7

6. ₵7 ₵2

7. ₵6 ₵3

8. ₵5 ₵5

Score:

9. ₦8 ₦4

10. ₦2 ₦5

11. ₵4 ₵2

12. ₵5 ₵11

13. ₵8 ₵7

14. ₵11 ₵2

15. ₵9 ₵7

16. ₵3 ₵3

17. ₵8 ₵2

18. ₵2 ₵3

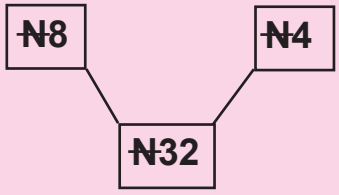
19. ₵9 ₵3

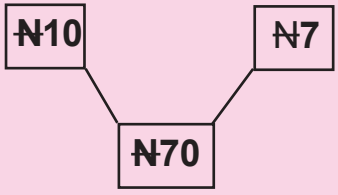
20. ₵6 ₵3

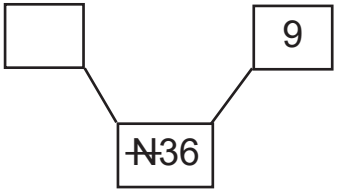
Exercise 8b

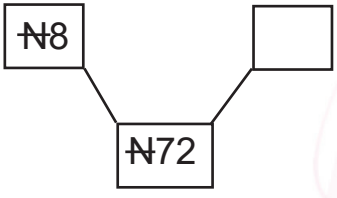
Date:

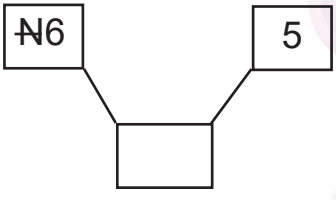
Example:

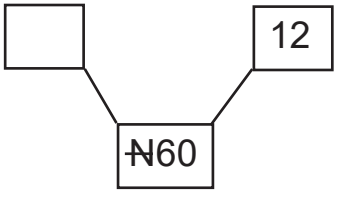


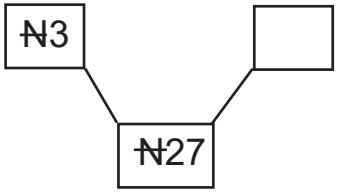


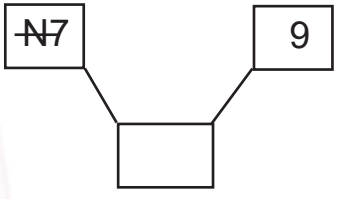
1. 

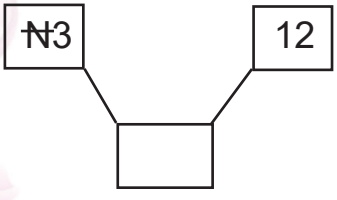
2. 

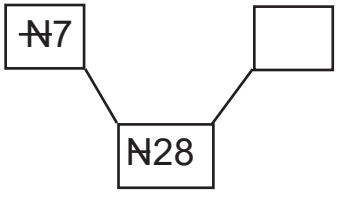
3. 

4. 

5. 

6. 

7. 

8. 

Score:

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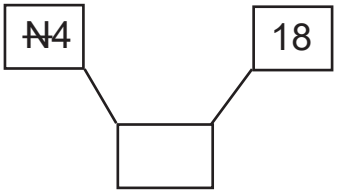

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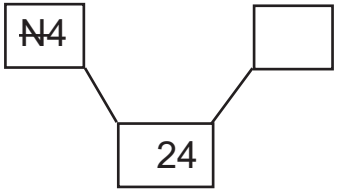

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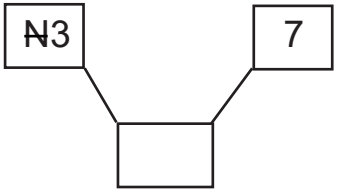

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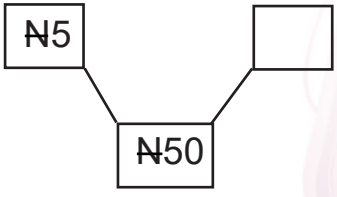

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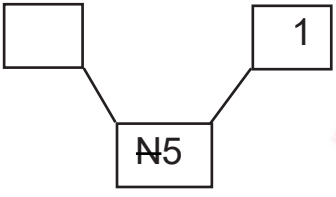

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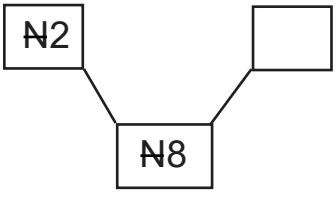

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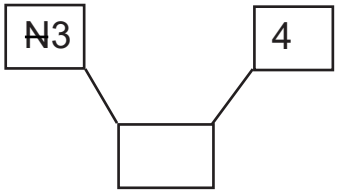

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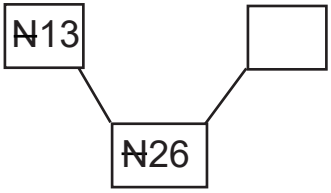

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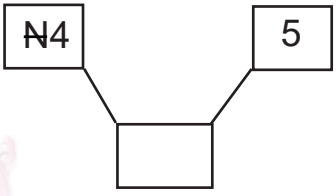
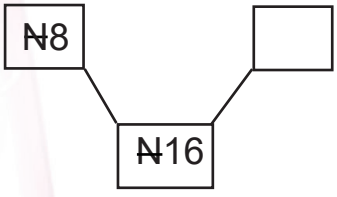
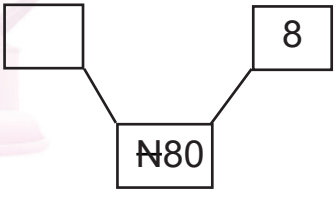


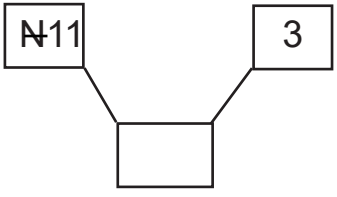
18.



19.



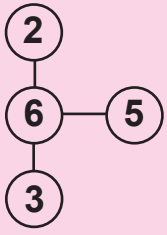
20.

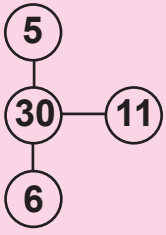


Exercise 9a

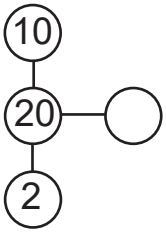
Date:

Example:

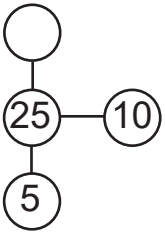




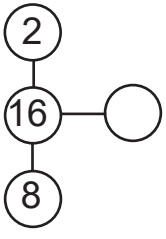
1.



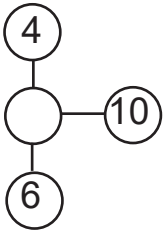
2.



3.



4.



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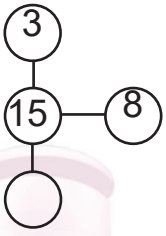

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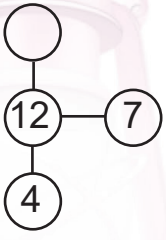
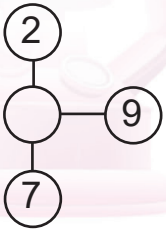
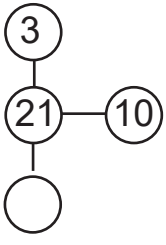


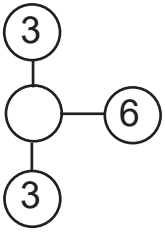
7.



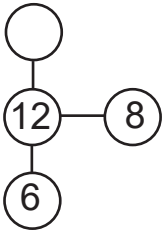
8.



9.



10.



Score:

Exercise 9b

Date:

Example:

15 — 8 (3, 5)

40 — 14 (4, 10)

1. 48 — [ ] (4, 12)

2. 27 — 12 (3, [ ])

3. 55 — [ ] (11, 5)

4. [ ] — 16 (8, 8)

5. 0 — [ ] (0, 9)

6. 56 — 15 (7, [ ])

7. 72 — 18 (12, [ ])

8. [ ] — 19 (7, 12)

9. 50 — [ ] (5, 10)

10. [ ] — 28 (26, 2)

Exercise 10a

Date:

Example:

2)2 = 2 x 2 = 4

9(3 = 9 ÷ 3 = 3

1. 3)2 = ☐ = 6

2. 4) ☐ = 4 x 4 = 16

3. 10(5 = ☐ = 2

4. 2)10)5 = ☐ = 100

5. 16(2 = 16 ÷ 2 = ☐

6. 8)3 = ☐ x 3 = 24

7. 20 (☐ = 20 ÷ 5 = 4

8. 6)3 = ☐ = 18

9. 2)4(2 = ☐ = 4

10. 20 (5) 3 = ☐ = 12

Score:

Exercise 10b

Date:

Example:

4 ◠ 6 = 4 x 6 = 24

18 ◡ 3 = 18 ÷ 3 = 6

5 ◠ 4 ◡ 2 = 5 x 4 ÷ 2 = 10

1. 3 ◠ 9 = ☐ = 27

2. ☐ ◡ 4 = 3

3. 7 ◠ 4 ◡ 2 = ☐

4. 15 ◡ 5 ◠ 2 = ☐

5. 18 ◡ 3 ◡ 2 = ☐

6. 24 ◡ 3 ◠ 4 = ☐ = 32

7. 3 ◠ 7 ◠ 2 = ☐

8. 36 ◡ 6 ◠ 3 = ☐ = 18

9. 14 ◡ 1 ◠ 0 = ☐

10. 20 ◡ 5 ◡ 2 = ☐

Exercise 11a

Date:

Example:

n	d	o	i	r	s	t	v	w
1	2	3	4	5	6	7	8	9

x	y	e	f	g	h	u	l
10	11	12	13	14	15	16	17

h	u	n	d	r	e	d		n	i	n	e	t	y
15	16	1	2	5	12	2		1	4	1	12	7	11

1. f o r t y - o n e
   _ _ _ _ _ _ _ _

2. s e v e n t y
   _ _ _ _ _ _ _

3. e i g h t e e n
   _ _ _ _ _ _ _ _

4. s i x t e e n
   _ _ _ _ _ _ _

5. t h i r t e e n
   _ _ _ _ _ _ _ _

6. t w e n t y - t w o
   _ _ _ _ _ _ _ _ _

7. n i n e t e e n
   _ _ _ _ _ _ _ _

8. s e v e n t e e n
   _ _ _ _ _ _ _ _ _

9. f o u r t e e n
   _ _ _ _ _ _ _ _

10. e l e v e n
    _ _ _ _ _ _

11. s e v e n
    _ _ _ _ _

12. t w o
    _ _ _

Score:

13. n i n e

_ _ _ _

14. o n e

_ _ _

15. f i v e

_ _ _ _

16. s i x

_ _ _

17. t h r e e

_ _ _ _ _

18. e i g h t

_ _ _ _ _

19. t w e l v e

_ _ _ _ _ _

20. f o u r

_ _ _ _

21. f i f t e e n

_ _ _ _ _ _ _

22. t w e n t y

_ _ _ _ _ _

23. h u n d r e d

_ _ _ _ _ _ _

24. n i n e t y

_ _ _ _ _ _

25. t h i r t y

_ _ _ _ _ _

26. f o r t y

_ _ _ _ _

27. f i f t y

_ _ _ _ _

28. s i x t y

_ _ _ _ _

29. e i g h t y

_ _ _ _ _ _

30. t e n

___ ___ ___

Exercise 11b

Date:

Example:

i	e	g	l	m	n	o	r	u
0	1	2	3	4	5	6	7	8

t	s	v	w	x	y	h	b
9	10	11	12	13	14	15	16

w	e	s	t	e	r	n		u	g	l	i	e	s	t
12	1	10	9	1	7	5		8	2	3	0	1	10	9

1. s t o l e n
   _ _ _ _ _ _
2. u t t e r m o s t
   _ _ _ _ _ _ _ _ _
3. v e n t o l i n
   _ _ _ _ _ _ _ _
4. n o s t r i l
   _ _ _ _ _ _ _
5. r u m b l e
   _ _ _ _ _ _
6. w e s t e r l i e s
   _ _ _ _ _ _ _ _ _ _
7. m o n u m e n t
   _ _ _ _ _ _ _ _
8. h e i g h t
   _ _ _ _ _ _
9. g i v e
   _ _ _ _
10. s t r o l l
    _ _ _ _ _ _
11. s t o r m
    _ _ _ _ _
12. s u m m e r
    _ _ _ _ _ _
13. s i x t y - s i x
    _ _ _ _ _ _ _ _
14. s e v e n t y - t w o
    _ _ _ _ _ _ _ _ _ _
15. h e i g h t e n e d
    _ _ _ _ _ _ _ _ _
16. g r e e n e s t
    _ _ _ _ _ _ _ _
17. l u m i n o u s
    _ _ _ _ _ _ _ _
18. w h i t e h o u s e
    _ _ _ _ _ _ _ _ _ _
19. w h i s t l e
    _ _ _ _ _ _
20. w e l l i n t i n g b o o t
    _ _ _ _ _ _ _ _ _ _ _ _ _

Score:

Exercise 12a

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	o	r	t	y
6	15	18	20	25

t	e	n
20	5	14

1.

e	l	e	v	e	n

2.

f	i	f	t	y	t	w	o

3.

8	21	14	4	18	5	4

4.

e	i	g	h	t	y	f	i	v	e

5.

5	9	7	8	20	5	5	14

6.

6	15	21	18	20	5	5	14

7.

e	i	g	h	t

8.

19	5	22	5	14	20	25	15	14	5

9. s e v e n t y

10. s i x t y

11. f i f t y

12. f o u r

13. t w e n t y

14. t h i r t y

15. n i n e t y

16. t w e l v e

17. f i f t e e n

18. h u n d r e d

19. e i g h t y

20. s e v e n

Exercise 12b

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

b	e	a	u	t	i	f	u	l	s	t	u	d	e	n	t	
2	5	1	21	20	9	6	21	12	19	20	21	4	5	14	20	

1. S c i e n c e
   _ _ _ _ _ _ _
2. H o m e w o r k
   _ _ _ _ _ _ _ _ _
3. R o s e f l o w e r
   _ _ _ _ _ _ _ _ _ _ _
4. B r i l l i a n t
   _ _ _ _ _ _ _ _
5. C l a s s r o o m
   _ _ _ _ _ _ _ _ _
6. 8 5 9 7 8 20
   _ _ _ _ _ _
7. 3 1 14 15 5
   _ _ _ _ _
8. S o a p
   _ _ _ _
9. 13 1 18 18 9 7 5 22 15 23
   _ _ _ _ _ _ _ _ _ _
10. A g r i c u l t u r e
    _ _ _ _ _ _ _ _ _ _ _
11. A i r f o r c e
    _ _ _ _ _ _ _ _
12. 12 1 7 15 19
    _ _ _ _ _
13. 14 9 7 5 18 9 1 14
    _ _ _ _ _ _ _ _
14. A p t i t u d e
    _ _ _ _ _ _ _
15. 16 18 5 19 9 4 5 14 20
    _ _ _ _ _ _ _ _ _
16. R e l i g i o n
    _ _ _ _ _ _ _
17. C h a l k b o a r d
    _ _ _ _ _ _ _ _ _ _
18. P a s t
    _ _ _ _
19. D i s e a s e s
    _ _ _ _ _ _ _
20. 26 9 7 26 1 7
    _ _ _ _ _ _

Exercise 13a

Date:

Example:

Decode:

t	v	w	x	y	e	f	g	h
1	2	3	4	5	6	7	8	9

u	n	d	o	i	r	s	l
10	11	12	13	14	15	16	17

7 14 7 1 6 6 11 → fifteen 11 14 11 6 1 5 → ninety

1. 7 13 10 15 → _ _ _ _
2. 9 10 11 12 15 6 12 → _ _ _ _ _ _ _
3. 11 14 11 6 1 5 → _ _ _ _ _ _ _
4. 16 14 4 1 5 → _ _ _ _ _ _
5. 6 14 8 9 1 5 → _ _ _ _ _ _
6. 1 6 11 → _ _ _
7. 6 14 8 9 1 → _ _ _ _ _
8. 1 3 6 17 2 6 → _ _ _ _ _ _

Score:

9. 11 14 11 6 → _ _ _ _

10. 6 17 6 2 6 11 → _ _ _ _ _ _

11. 6 14 8 9 1 6 6 11 → _ _ _ _ _ _ _ _

12. 7 13 15 1 5 → _ _ _ _ _

13. 7 13 15 1 5 7 14 2 6 → _ _ _ _ _ _ _ _ _

14. 11 14 11 6 1 6 6 11 → _ _ _ _ _ _ _ _

15. 16 14 4 → _ _ _

16. 6 14 8 9 1 5 13 11 6 → _ _ _ _ _ _ _ _ _

17. 1 9 14 15 1 5 7 14 2 6 → _ _ _ _ _ _ _ _ _ _

18. 1 9 15 6 6 9 10 11 12 15 6 12 → _ _ _ _ _ _ _ _ _ _ _ _

19. 16 14 4 1 5 11 14 11 6 → _ _ _ _ _ _ _ _ _ _

20. 16 6 2 6 11 1 5 → _ _ _ _ _ _ _

Exercise 13b

Date:

Example:

Decode:

T	U	V	W	X	Y	Z	S	R	N	Q	P	O
1	2	3	4	5	6	7	8	9	10	11	12	13
F	G	H	I	A	B	C	D	E	J	K	L	M
14	15	16	17	18	19	20	21	22	23	24	25	26

14	13	2	9		10	17	10	22	1	6
F	O	U	R		N	I	N	E	T	Y

1. 8 22 3 22 10 1 6
2. 8 22 3 22 10
3. 1 16 17 9 1 6
4. 10 17 10 22 1 6
5. 14 17 14 1 6
6. 14 13 2 9
7. 1 4 22 10 1 6
8. 1 4 22 25 3 22
9. 8 17 5 1 6
10. 14 13 9 1 6
11. 1 4 22 10 1 6 14 13 2 9
12. 8 17 5 1 22 22 10
13. 1 22 10
14. 16 2 10 21 9 22 21
15. 8 17 5 1 6 14 17 3 22
16. 22 17 15 16 1 6
17. 10 17 10 22 1 6 10 17 10 22
18. 7 22 9 13
19. 14 17 3 22 16 2 10 21 9 22 21
20. 8 22 3 22 10 1 6 1 4 13

Score:

Exercise 13c

Date:

Example:

Decode:

C	F	J	I	A	B	D	E	R	S	T	U
1	2	3	4	5	6	7	8	9	10	11	12

V	Q	H	W	Y	K	L	M	N	G	O	P
13	14	15	16	17	18	19	20	21	22	23	24

15	4	22	15	19	5	21	7	16	4	21	7	23	16
H	I	G	H	L	A	N	D	W	I	N	D	O	W

1. __ __ __ __ __ __
   S H A D O W
2. __ __ __ __ __ __ __ __ __
   P O L I C E M A N
3. 23 9 4 8 21 11 5 19
   __ __ __ __ __ __ __ __
4. __ __ __ __ __ __ __
   E A G L E E Y E
5. __ __ __ __ __ __
   9 23 6 12 10 11
6. __ __ __ __ __ __
   V O Y A G E
7. __ __ __ __ __ __ __ __ __ __ __ __ __
   C O L O U R E D C H A L K
8. 2 4 22 12 9 8 15 8 5 7
   __ __ __ __ __ __ __ __ __ __
9. __ __ __ __ __ __ __ __ __
   O R A N G E M A N
10. __ __ __ __ __ __ __ __ __ __ __ __ __ __ __
    F O U R F I G U R E T A B L E

Exercise 14a

Date:

Example:

75 / 5 → 15

40 / 8 → 5

1. 24 / ___ → 4

2. 80 / 5 → ___

3. ___ / 9 → 5

4. 64 / ___ → 8

5. 72 / ___ → 8

6. ___ / 7 → 6

7. 34 / 17 → ___

8. ___ / 2 → $\frac{1}{2}$

9. 85 / $2\frac{1}{2}$ → ___

10. ___ / 9 → 3

Score:

11. 32 → 8

12. 160 → 1

13. 21 / 7 → ☐

14. 2 → 19

15. 84 / 7 → ☐

16. 120 → 20

17. 7 → 9

18. 92 / 4 → ☐

19. 99 / 33 → ☐

20. 29 → 3

Exercise 14b

Date:

Example:

75 / 15 → 5

63 / 7 → 9

120 / 12 → 10

1. 27 / 3 → ☐

2. 65 / 13 → ☐

3. ☐ / 12 → 4

4. 56 / ☐ → 7

5. ☐ / 12 → 9

6. 100 / 25 → ☐

7. 96 / ☐ → 12

8. 88 / ☐ → 8

9. 200 / 10 → ☐

10. 144 / 12 → ☐

Score:

11. [ ] / 25 → 5

12. 66 / [ ] → 11

13. [ ] / 7 → 7

14. 65 / 13 → [ ]

15. 84 / [ ] → 42

16. [ ] / 11 → 3

17. 39 / [ ] → 13

18. 28 / 2 → [ ]

19. 40 / 8 → [ ]

20. 55 / [ ] → 5

Exercise 15a

Date:

Example:

2 → 3 → 6 → 5 → 11

5 → 1 → 5 → 10 → 15

1. 4 → ☐ → 12 → 6 → 18

2. ☐ → 2 → 16 → 4 → 20

3. 7 → 3 → ☐ → 2 → 23

4. 3 → 5 → 15 → ☐ → 30

5. 8 → 2 → 16 → 4 → ☐

6. 5 → 9 → 45 → ☐ → 47

7. ☐ → 3 → 12 → 8 → 20

8. 2 → ☐ → 18 → 4 → 22

9. 6 → 2 → ☐ → 0 → 12

10. 2 → 10 → 20 → ☐ → 25

Score:

Exercise 15b

Date:

Example:

5 → 3 → 8 → 4 → 4

6 → 7 → 13 → 8 → 5

1. 6 → 5 → 4 → 7 → □ → 10

2. 9 → □ → 4 → 6 → 13

3. 8 → 7 → 10 → □ → 14

4. 2 → □ → 8 → 10 → 9

5. 8 → 10 → □ → 7

6. 15 → 5 → □ → 7 → 13

7. 8 → 9 → 17 → 7 → □

8. □ → 30 → 40 → 20 → 20

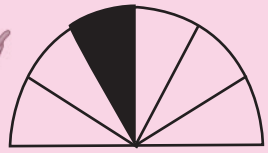
9. 16 → 16 → □ → 0 → 32

10. 13 → 7 → 20 → □ → 11

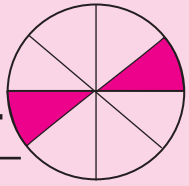
Exercise 16a

Date:

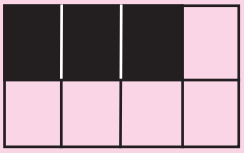
Example:



$\frac{1}{6}$

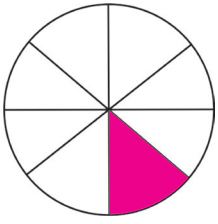


$\frac{2}{8}$

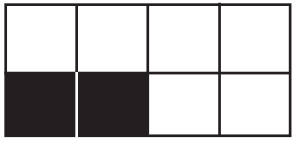


$\frac{3}{8}$

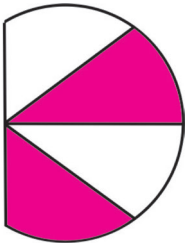
1.



2.



3.



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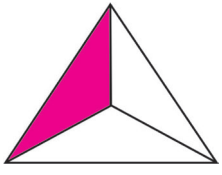

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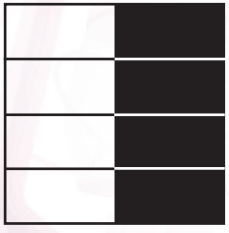

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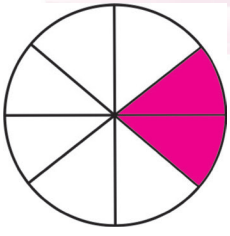

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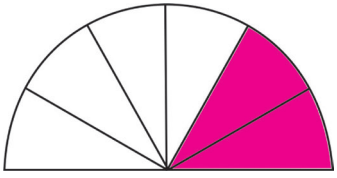

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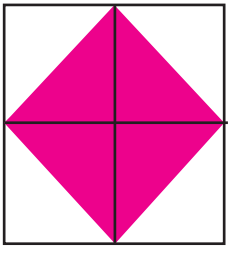

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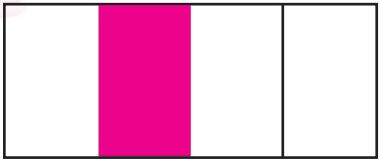


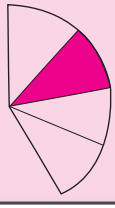
Score:

Exercise 16b

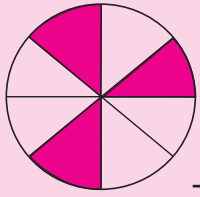
Date:

Example:

$\frac{1}{6}$



$\frac{1}{4}$



$\frac{3}{8}$

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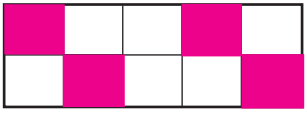

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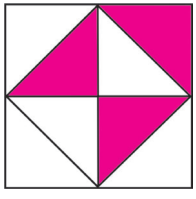

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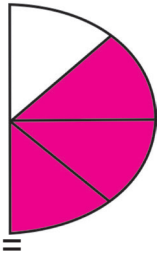

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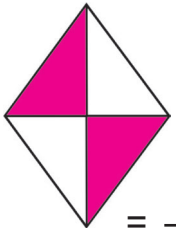

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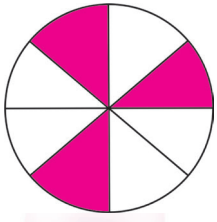

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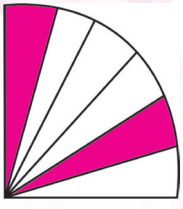
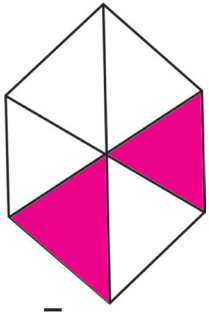


= _____

7.

= _____

8.



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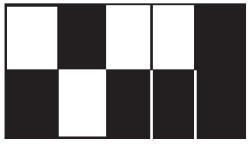
9.



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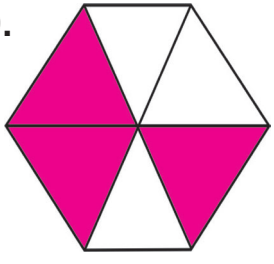
10.



= _____

Exercise 17a

Date:

Example:

$\frac{1}{4}$ $\frac{2}{4}$ $\boxed{\frac{3}{4}}$

$\frac{1}{3}$ $\frac{1}{3}$ $\boxed{\frac{2}{3}}$

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

2. $\frac{3}{12}$ $\frac{4}{12}$ $\square$

3. $\frac{3}{6}$ $\frac{1}{6}$ $\square$

4. $\frac{4}{12}$ $\frac{7}{12}$ $\square$

5. $\frac{3}{4}$ $\frac{1}{4}$ $\square$

6. $\frac{3}{8}$ $\frac{2}{8}$ $\square$

7. $\frac{2}{8}$ $\frac{2}{8}$ $\square$

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

9. $\frac{2}{8}$ $\frac{5}{8}$ $\square$

10. $\frac{9}{12}$ $\frac{1}{12}$ $\square$

Score:

11. $\frac{1}{7}$ $\frac{1}{7}$ ☐

12. $\frac{1}{6}$ $\frac{2}{6}$ ☐

13. $\frac{6}{12}$ $\frac{3}{12}$ ☐

14. $\frac{2}{6}$ $\frac{2}{6}$ ☐

15. $\frac{7}{8}$ $\frac{1}{8}$ ☐

16. $\frac{4}{6}$ $\frac{1}{6}$ ☐

17. $\frac{3}{8}$ $\frac{3}{8}$ ☐

18. $\frac{5}{8}$ $\frac{1}{8}$ ☐

19. $\frac{2}{5}$ $\frac{2}{5}$ ☐

20. $\frac{4}{10}$ $\frac{1}{10}$ ☐

Exercise 17b

Date:

Example:

$\frac{2}{4}$ / $\frac{1}{4}$ / $\boxed{\frac{1}{4}}$

$\boxed{\frac{2}{3}}$ / $\frac{1}{3}$ / $\frac{1}{3}$

$\boxed{\frac{3}{8}}$ / $\frac{1}{8}$ / $\frac{2}{8}$

1. $\square$ / $\frac{2}{9}$ / $\frac{4}{9}$

2. $\frac{7}{8}$ / $\frac{3}{8}$ / $\square$

3. $\frac{5}{8}$ / $\square$ / $\frac{3}{8}$

4. $\frac{5}{12}$ / $\frac{1}{12}$ / $\square$

5. $\frac{4}{8}$ / $\frac{1}{8}$ / $\square$

6. $\square$ / $\frac{3}{6}$ / $\frac{2}{6}$

7. $\frac{10}{15}$ / $\frac{3}{15}$ / $\square$

8. $\frac{2}{6}$ / $\square$ / $\frac{1}{6}$

9. $\square$ / $\frac{4}{12}$ / $\frac{1}{12}$

10. $\frac{3}{6}$ / $\frac{1}{6}$ / $\square$

Score:

Exercise 17c

Date:

Example:

$\frac{3}{4}$	$\frac{1}{4}$	$\frac{2}{4}$
$\frac{4}{6}$	$\frac{3}{6}$	$\frac{1}{6}$
$\frac{9}{11}$	$\frac{5}{11}$	$\frac{4}{11}$

1. $\frac{7}{16}$ | $\frac{4}{16}$

2. $\frac{3}{4}$ | $\frac{1}{4}$

3. $\frac{6}{12}$ | $\frac{4}{12}$

4. $\frac{6}{8}$ | $\frac{2}{8}$

5. $\frac{3}{5}$ | $\frac{2}{5}$

6. $\frac{13}{14}$ | $\frac{9}{14}$

7. $\frac{5}{12}$ | $\frac{2}{12}$

8. $\frac{7}{12}$ | $\frac{3}{12}$

9. $\frac{3}{4}$ | $\frac{2}{4}$

10. $\frac{4}{6}$ | $\frac{2}{6}$

11. $\frac{3}{5}$ | $\frac{1}{5}$

12. $\frac{5}{12}$ | $\frac{1}{12}$

13. $\frac{2}{6}$ | $\frac{1}{6}$

16. $\frac{5}{7}$ | $\frac{2}{7}$

19. $\frac{9}{11}$ | $\frac{8}{11}$

14. $\frac{10}{12}$ | $\frac{3}{12}$

17. $\frac{4}{5}$ | $\frac{3}{5}$

20. $\frac{3}{8}$ | $\frac{1}{8}$

15. $\frac{5}{6}$ | $\frac{2}{6}$

18. $\frac{5}{8}$ | $\frac{1}{8}$

Exercise 18a

Date:

Example:

$20 \div \square = \frac{1}{4}$ (5)

$20 \div \square = \frac{3}{5}$ (12)

$20 \div \square = \frac{1}{10}$ (2)

1. $12 \div \square = \frac{3}{4}$
2. $36 \div \square = \frac{3}{4}$
3. $22 \div \square = \frac{1}{2}$
4. $28 \div \square = \frac{1}{4}$
5. $10 \div \square = \frac{1}{2}$
6. $48 \div \square = \frac{3}{4}$
7. $30 \div \square = \frac{1}{3}$
8. $26 \div \square = \frac{1}{2}$
9. $18 \div \square = \frac{1}{2}$
10. $24 \div \square = \frac{3}{4}$
11. $4 \div \square = \frac{3}{4}$
12. $72 \div \square = \frac{1}{2}$

13. 16 $\frac{3}{4}$

14. 20 $\frac{1}{4}$

15. 14 $\frac{1}{2}$

16. 6 $\frac{1}{3}$

17. 8 $\frac{1}{4}$

18. 30 $\frac{1}{2}$

19. 16 $\frac{1}{4}$

20. 24 $\frac{1}{4}$

Exercise 18b

Date:

Example:

$\frac{1}{3}$ of 18 = 6

$\frac{2}{3}$ of 9 = 6

$\frac{1}{4}$ of 16 = 4

1. $\square$ of 20 = 8

2. $\frac{1}{7}$ of 49 = $\square$

3. $\frac{3}{4}$ of $\square$ = 9

4. $\frac{5}{9}$ of 45 = $\square$

5. $\frac{1}{5}$ of $\square$ = 8

6. $\frac{3}{7}$ of $\square$ = 9

7. $\square$ of 16 = 12

8. $\frac{5}{7}$ of 35 = $\square$

9. $\frac{3}{4}$ ☐ 20

10. $\frac{1}{3}$ 11 ☐

11. $\frac{1}{7}$ ☐ 35

12. ☐ 8 24

13. $\frac{5}{6}$ ☐ 30

14. $\frac{1}{8}$ ☐ 40

15. $\frac{2}{3}$ 12 ☐

16. $\frac{3}{5}$ ☐ 20

17. $\frac{1}{7}$ ☐ 28

18. ☐ 3 15

19. $\frac{3}{4}$ ☐ 12

20. $\frac{1}{6}$ ☐ 12

Score:

Exercise 19a

Date:

Example:

16 ← [<] → 32

31 + 2 ← [>] → 10 + 3

10 ÷ 2 ← [=] → 5

1. 93 + 4 ← [ ] → 99
2. 40 ÷ 4 ← [ ] → 50 ÷ 5
3. 61 – 61 ← [ ] → 16
4. 84 ← [ ] → 84
5. 23 + 2 ← [ ] → 74
6. 72 – 5 ← [ ] → 42
7. 88 ← [ ] → 62
8. 29 ← [ ] → 92
9. 42 – 20 ← [ ] → 51
10. $90\frac{3}{4}$ + 10 ← [ ] → 19 - 6
11. 51 ← [ ] → 15
12. 6 ← [ ] → 36
13. 49 ← [ ] → 20 + 2
14. 60 ← [ ] → 0
15. 13 + 3 ← [ ] → 10 ÷ 6
16. 24 ← [ ] → 16 + 8
17. 32 ← [ ] → 16
18. 5 ÷ 5 ← [ ] → 10 ÷ 10
19. 107 ← [ ] → 170
20. 116 ← [ ] → 116

Exercise 19b

Date:

Example:

16 ← [<] → 32

31+ 2 ← [>] → 10 + 3

10÷ 2 ← [=] → 5

1. 25 ÷ 5 ← [ ] → 32

2. 16 + 2 ← [ ] → 14 + 4

3. 19 – 7 ← [ ] → 15 - 3

4. 120 ← [ ] → 112

5. 66 ← [ ] → 74

6. 20 – 20 ← [ ] → 0

7. 56 + 1 ← [ ] → 39 + 2

8. 94 + 4 ← [ ] → 68 + 2

9. 131 ← [ ] → 113

10. 12 + 2 ← [ ] → 10 + 6

11. 31 + 2 ← [ ] → 60

12. 11 ← [ ] → 41

13. 26 ← [ ] → 2 x 12

14. 19 + 0 ← [ ] → 19

15. 4 + 2 ← [ ] → 6 + 0

16. 12 ÷ 2 ← [ ] → 4 ÷ 4

17. 84 ← [ ] → 48

18. 16 + 4 ← [ ] → 20

19. 56 + 2 ← [ ] → 51 + 7

20. 19–19 ← [ ] → 19 – 0

Score:

Test 1

Date:

Example:

15 — 20
25 — 30

14 — 21
28 — 35

60 — 70
80 — 90

500 — 600
700 — 800

1. 65 — ☐
75 — ☐

2. 20 — ☐
☐ — 50

3. ☐ — 42
49 — ☐

4. ☐ — ☐
200 — 250

5. 200 — ☐
400 — ☐

6. ☐ — 120
☐ — 140

7. 25 — 30
☐ — ☐

8. 50 — ☐
☐ — 200

9. ☐ — 400
410 — ☐

10. 10 — 20
☐ — ☐

11. ☐ ☐ 75 65

12. 225 ☐ 275 ☐

13. ☐ 700 ☐ 800

14. 6 ☐ ☐ 15

15. 28 35 ☐ ☐

16. ☐ ☐ 60 75

17. 13 ☐ 39 ☐

18. 64 ☐ ☐ 88

19. 24 ☐ 36 ☐

20. ☐ 105 ☐ 135

Test 2

Date:

Example:

10 → 17 → 4 → 3

2 → 35 → 2 → 31

5 → 42 → 13 → 24

1. 34 → 80 → ◯ → 16

2. 10 → 92 → ◯ → 54

3. 25 → 76 → ◯ → 17

4. 8 → 146 → ◯ → 38

5. 62 → 210 → ◯ → 94

6. 44 → 64 → ◯ → 16

7. 42 → 85 → ◯ → 35

8. 36 → 100 → ◯ → 44

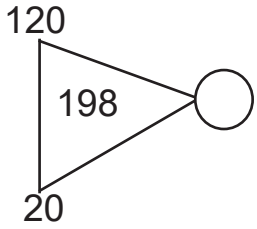
9. 28 → 93 → ◯ → 36

10. 34 → 58 → ◯ → 15

11. 25 → 57 → ◯ → 18

12. 25 → 79 → ◯ → 35

13.



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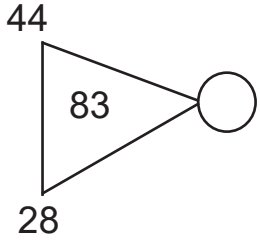

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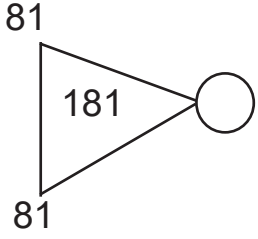

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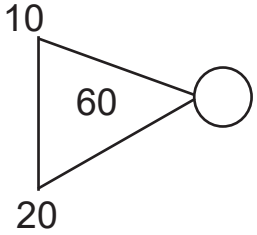

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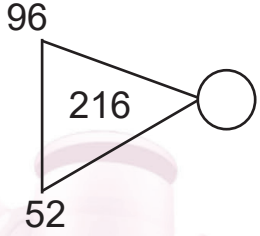

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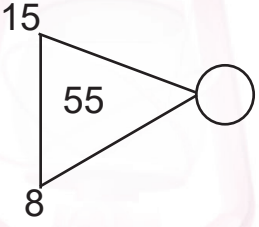

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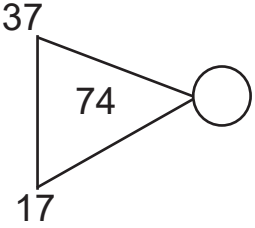

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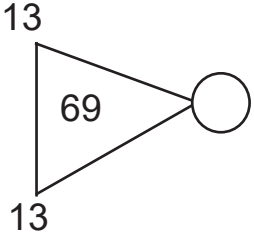


Test 3

Date:

Example:

35 — 19 — 16

75 — 48 — 27

72 — 40 — 32

1. 73 — ☐ — 14

2. ☐ — 29 — 20

3. 120 — ☐ — 86

4. 200 — 50 — ☐

5. ☐ — 40 — 10

6. 120 — 60 — ☐

7. 210 — ☐ — 100

8. 84 — 42 — ☐

9. ☐ — 56 — 23

10. 44 — ☐ — 33

11. [ ] — 74 — 24

12. 47 — 20 — [ ]

13. [ ] — 20 — 10

14. 33 — [ ] — 22

15. 40 — 20 — [ ]

16. 69 — [ ] — 36

17. [ ] — 33 — 12

18. 83 — [ ] — 42

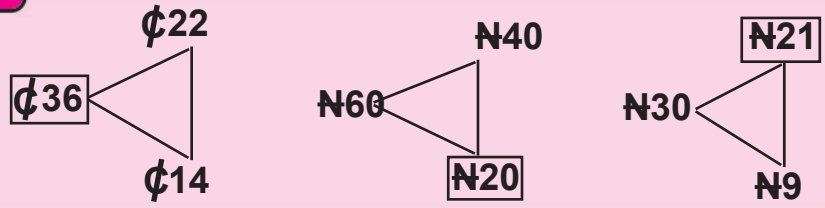
19. 24 — 15 — [ ]

20. 63 — [ ] — 23

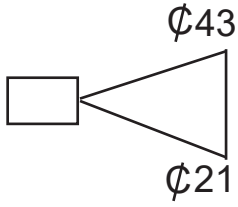
Test 4

Date:

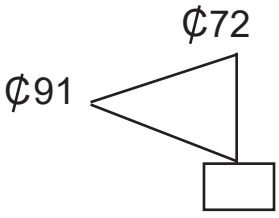
Example:



1.



2.



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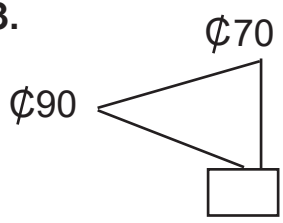
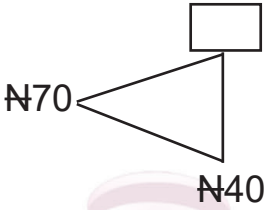
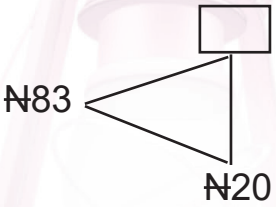


4.



5.



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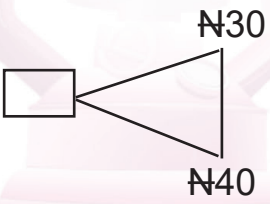

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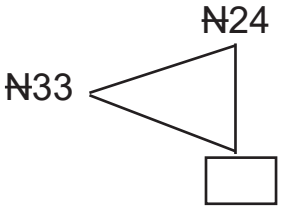

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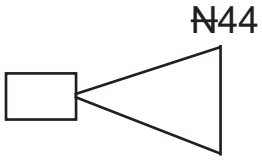

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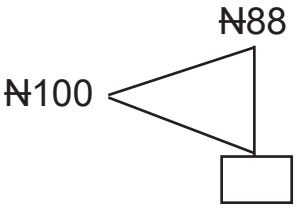

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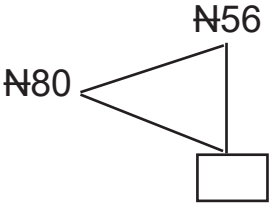

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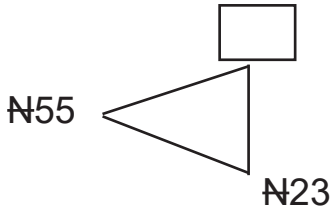

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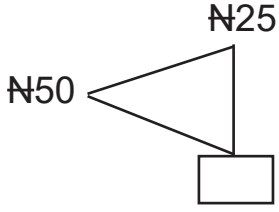

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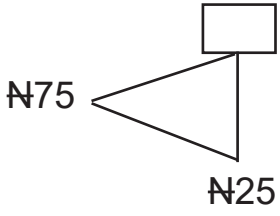

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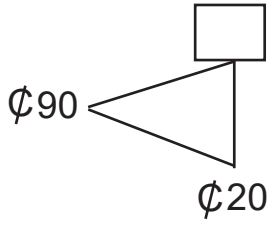

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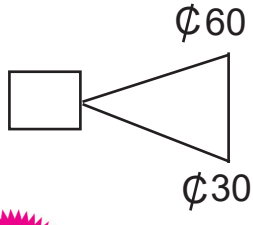

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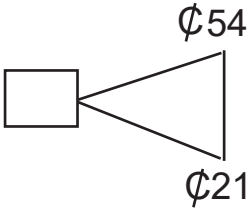

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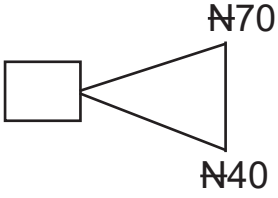

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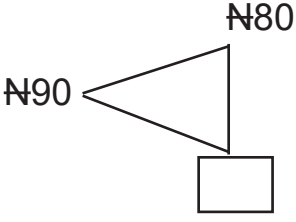

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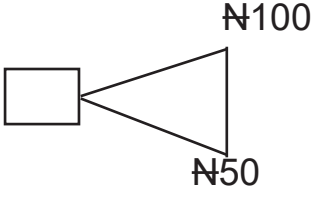

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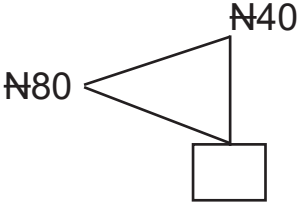
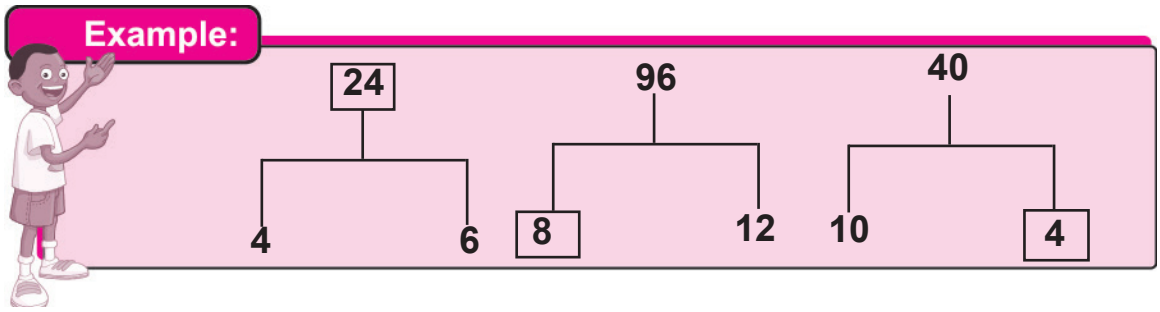


Test 5

Date:

Example:



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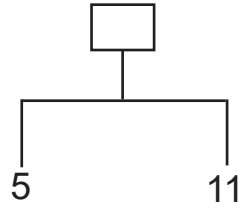

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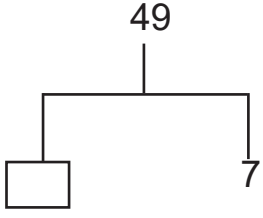

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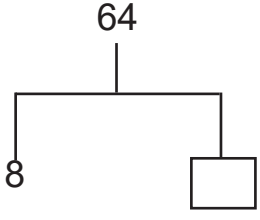

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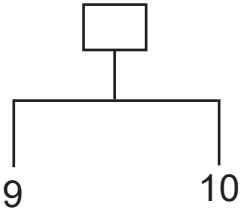

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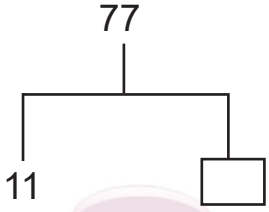

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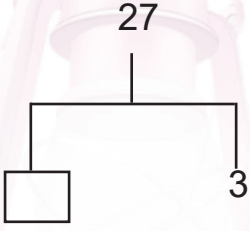

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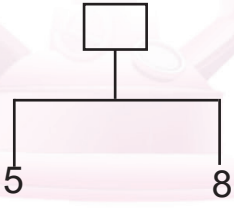

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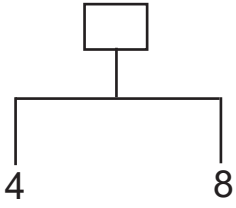

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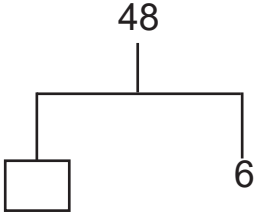

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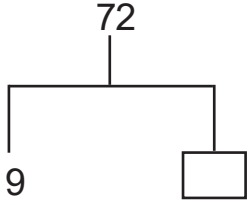

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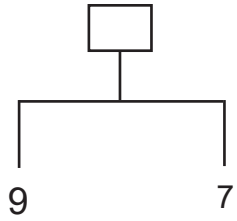

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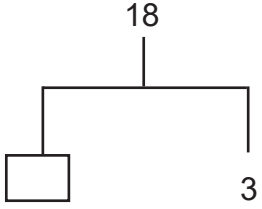

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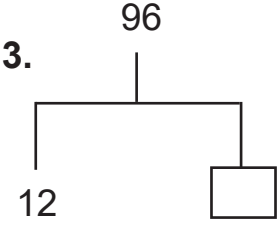

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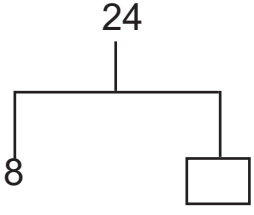

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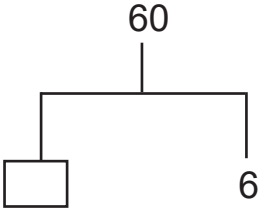

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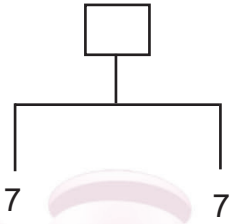

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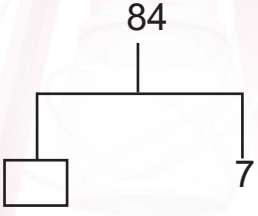

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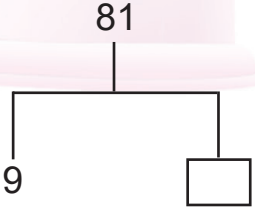

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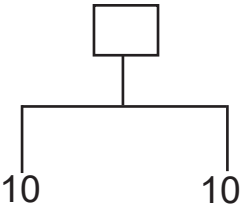

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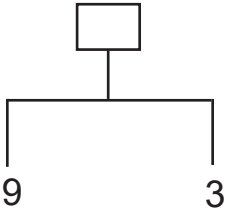


Test 6

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

1. F O U R

2. H U N D R E D

3. T H I R T E E N

4. E I G H T E E N

5. S I X T Y

6. T W E N T Y

7. F I F T Y

8. S I X T E E N

9. S E V E N T Y

10. T H R E E

11. E L E V E N

12. T H I R T Y

13. T E N

14. S E V E N

15. O N E

16. F O R T Y

17. E I G H T Y

18. T W E L V E

19. T W O

20. N I N E T Y

Test 7

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

1.

5	9	7	8	20

2.

20	5	14

3.

20	23	5	12	22	5

4.

19	9	24	20	25

5.

8	21	14	4	18	5	4

6.

19	9	24

7.

15	14	5

8.

14	9	14	5	20	25

9.

20	8	9	18	20	25

10.

20	23	5	14	20	25

Score:

11.

14	9	14	5

12.

20	23	15

13.

6	9	22	5

14.

6	15	18	20	25

15.

5	12	5	22	5	14

16.

6	15	21	18

17.

19	5	22	5	14

18.

6	9	6	20	25

19.

19	5	22	5	14	20	25

20.

5	9	7	8	20	25

Test 8

Date:

Example:

5 — 45 — 9

7 — 56 — 8

12 — 24 — 2

1. 6 — ☐ — 12

2. ☐ — 35 — 5

3. 10 — 40 — ☐

4. 4 — 36 — ☐

5. 9 — ☐ — 9

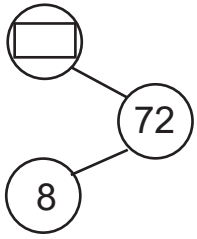
6. ☐ — 24 — 6

7. 7 — 42 — ☐

8. 2 — 20 — ☐

9. 9 — ☐ — 7

10.



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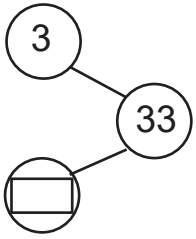

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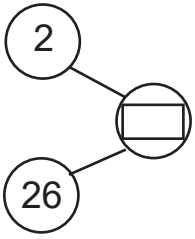

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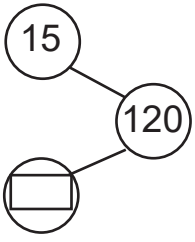

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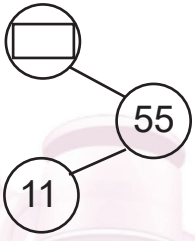

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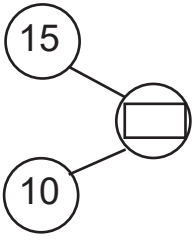

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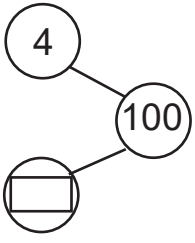

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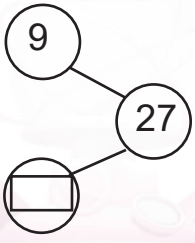

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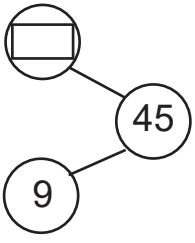

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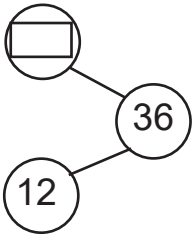

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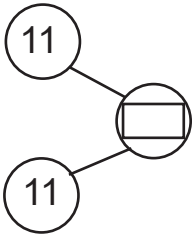


Test 9

Date:

Example:

$\frac{1}{8}$ – $\frac{2}{8}$ – $\boxed{\frac{3}{8}}$ $\frac{6}{10}$ – $\boxed{\frac{3}{10}}$ – $\frac{9}{10}$ $\boxed{\frac{4}{12}}$ – $\frac{3}{12}$ – $\frac{7}{12}$

1. $2\frac{3}{5}$ – $1\frac{1}{5}$ – $\square$

2. $2\frac{1}{5}$ – $\square$ – $4\frac{2}{5}$

3. $\frac{4}{6}$ – $1\frac{1}{6}$ – $\square$

4. $\square$ – $3\frac{1}{3}$ – $4\frac{1}{3}$

5. $\frac{7}{10}$ – $\square$ – $\frac{9}{10}$

6. $\square$ – $\frac{2}{7}$ – $\frac{4}{7}$

7. $\frac{4}{12}$ – $\square$ – $\frac{9}{12}$

8. $\frac{6}{8}$ – $\frac{1}{8}$ – $\square$

9. $\square$ – $\frac{1}{5}$ – $\frac{4}{5}$

10. $\frac{3}{6}$ - ☐ - $\frac{5}{6}$

11. $\frac{3}{8}$ - $\frac{2}{8}$ - ☐

12. ☐ - $\frac{3}{8}$ - $\frac{7}{8}$

13. $\frac{2}{6}$ - ☐ - $\frac{5}{6}$

14. $\frac{1}{7}$ - $\frac{1}{7}$ - ☐

15. ☐ - $\frac{5}{10}$ - $\frac{7}{10}$

16. $\frac{2}{8}$ - ☐ - $\frac{6}{8}$

17. $\frac{2}{5}$ - $\frac{1}{5}$ - ☐

18. ☐ - $\frac{1}{6}$ - $\frac{3}{6}$

19. $\frac{3}{12}$ - ☐ - $\frac{10}{12}$

20. $\frac{4}{10}$ - $\frac{2}{10}$ - ☐

Test 10

Date:

Example:

91	>	19
2 + 7	<	10 + 2
6 x 12	=	72

1. 201 ◯ 102
2. 93 – 6 ◯ 41 + 2
3. 71 ◯ 17
4. 8 x 2 ◯ 4 x 8
5. 600 ◯ 500
6. 9 ÷ 3 ◯ 6 ÷ 3
7. 20 ◯ 10 +10
8. 24 ◯ 42
9. 100 ◯ 700
10. 6 x 6 ◯ 36
11. 200 –100 ◯ 100
12. 712 ◯ 127

13. | 89 | ◯ | 95 |

14. | 36 –3 | ◯ | 40 –10 |

15. | 622 | ◯ | 622 |

16. | 9 + 1 | ◯ | 8 + 2 |

17. | 51 + 5 | ◯ | 55 |

18. | 62 | ◯ | 26 |

19. | 114 | ◯ | 141 |

20. | 712 | ◯ | 721 |

Test 11

Date:

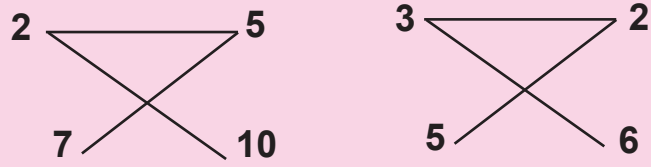
A. Example:

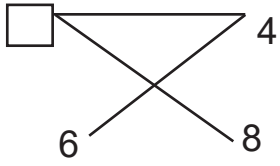
1, 3, 5, 7, [9] [11]

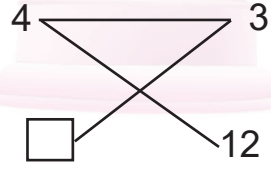
2, 4, 6, 8, [10] [12]

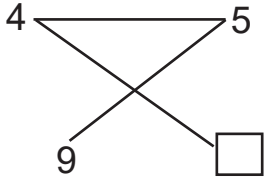
1. 8, 10, 12, 14 [ ], [ ]
2. 1, 3, 6, 10, [ ], [ ]
3. 15, 13, 11, 9, [ ], [ ]
4. 20, 25, 30, 35, [ ], [ ]
5. 110, 120, 130, 140, [ ], [ ]

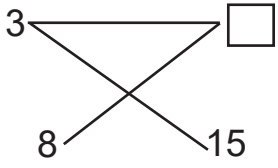
B. Example:

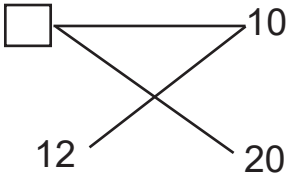


6. 

8. 

10. 

7. 

9. 

The word MARINE is represented with 7 1 5 2 6 3.
Use this to answer nos 11 - 15:

11. What does 1 2 5 represent? _____

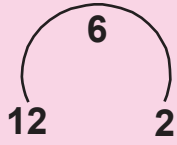
12. 6 3 1 5 means _____

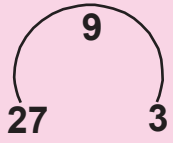
13. What word does 6 2 6 3 mean ? _____

14. What numbers represent RAIN ? _____

15. Code RIM. _____

C. Example:





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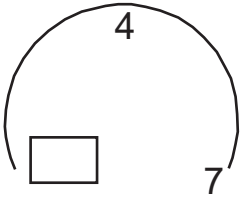

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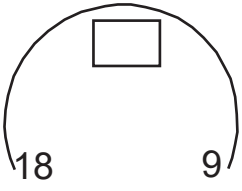
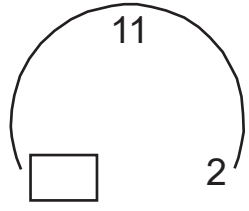
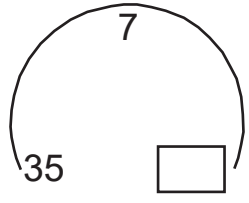


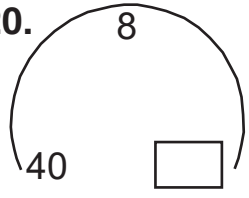
18.



19.



20.



Test 12

Date:

A. Example:

5 + 2 (>) 3 8 + 4 (<) 3 x 5 44 (=) 11 x 4

1. 4 + 3 ☐ 7
2. 9 x 2 ☐ 3 x 5
3. 15 ÷ 3 ☐ 12 ÷ 6
4. 202 – 20 ☐ 200 + 20
5. 81 ÷ 9 ☐ 45 ÷ 5

B. Example:

5, 10, 15, 20, 25, 30

3, 5, 7, 9, 11, 13

6. 4, 8, 16, ☐
7. 4, 9, 16, ☐
8. 114, ☐, 122, 126, 130
9. 67, 64, 61, ☐, 55
10. 125, 130, 135, 140, ☐, 150

C. Example:

3 → 6 → [18] → 3 → 6

7 → [4] → 28 → 2 → 14

6 → 4 → 24 → 8 → [3]

11. 3 → 7 → [ ] → 21 → 1

12. 7 → 6 → 42 → 6 → [ ]

13. 9 → 7 → 63 → [ ] → 21

14. 5 → 8 → 40 → 10 → [ ]

15. [ ] → 7 → 35 → 35 → 1

D. Example:

8, [17], 5, 4

6, 19, 9, [4]

[11], 60, 44, 5

16. 12, [ ], 14, 5

17. [ ], 50, 9, 16

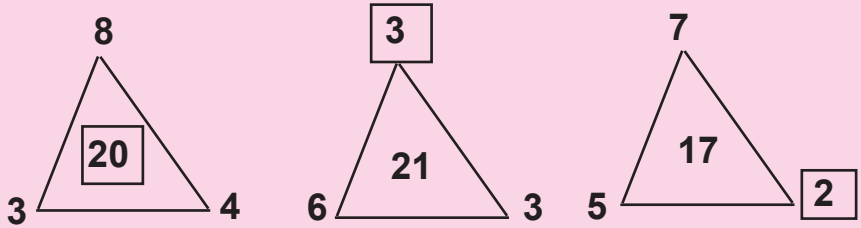
18. 30, 120, [ ], 70

19. [ ], 480, 180, 200

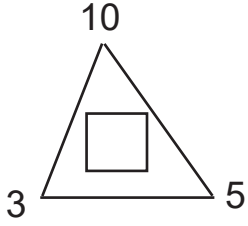
20. 19, [ ], 79, 59

Date:

A. Example:



1.



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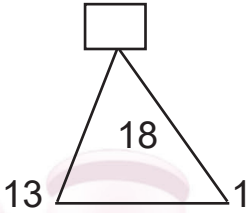

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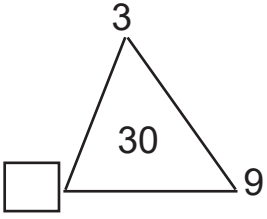

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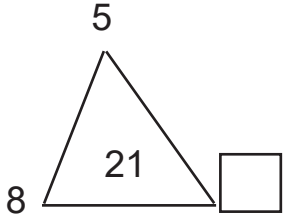

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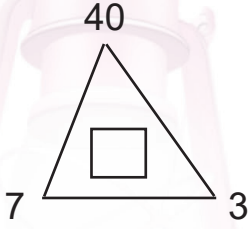
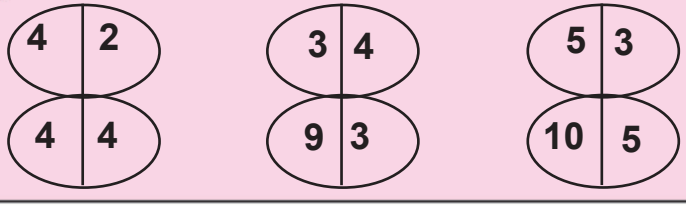


B. Example:



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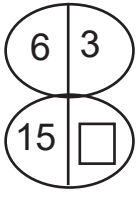

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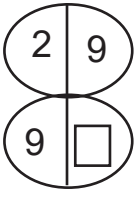

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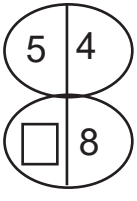

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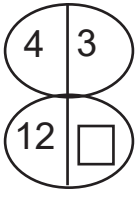

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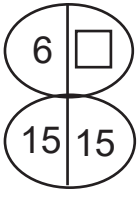


Score:

C. Example:

4 → 8 → 12

16 → 20 → 24

14 → 21 → 28

11.

12 → □ → 28

12.

□ → 1 → □

13.

17 → 22 → □

14.

□ → 9 → 27

15.

50 → 100 → □

If the word AFGANISTAN is represented by the code 0 1 2 0 3 4 5 6 0 3,

16. What code is represented by the word AFGAN?_____

17. What word is represented by the code 10436? _____

18. What code is represented by the word STANGAF?_____

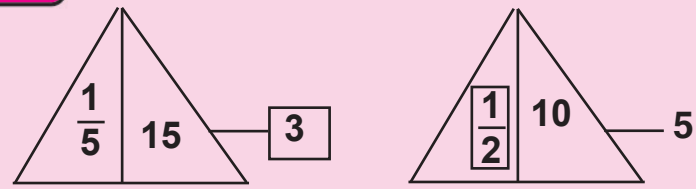
19. What code is represented by the word AGAIN?_____

20. What word is represented by the code: 5 6 0 11?_____

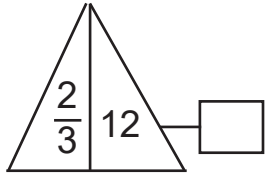
Test 14

Date:

A. Example:



1.



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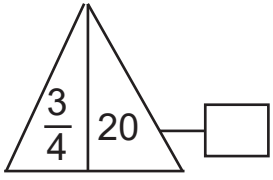

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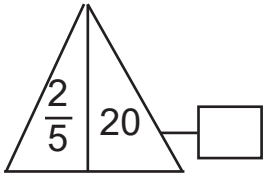

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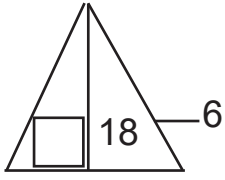

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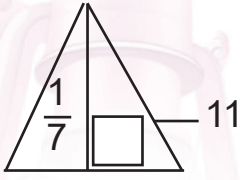


B. Example:

19 + 2 [<] 5 x 5 6 x 3 [=] 9 + 9 16 – 5 [>] 2 + 8

6. 7 x 6 [ ] 60 ÷ 5

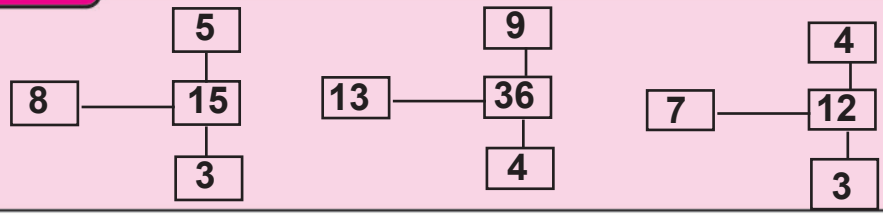
7. 10 x 50 [ ] 400 + 100

8. 8 x 5 [ ] 12 x 6

9. 80 – 20 [ ] 20 + 80

10. 36 ÷ 4 [ ] 72 ÷ 8

C. Example:



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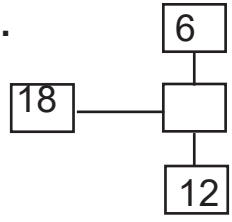

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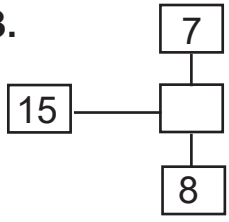

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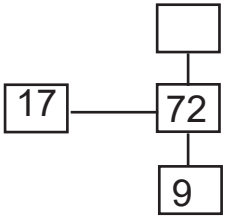

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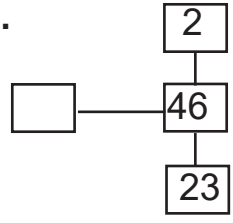

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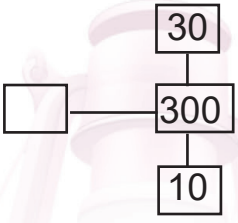


D. Example:

n	d	o	i	r	s	t	v	w	x	y	e	f	g	h	u	l
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

16. S e v e n t y s i x

_ _ _ _ _ _ _ _ _ _

17. _ _ _ _ _ _ _

6 7 16 2 12 1 7

18. T w o h u n d r e d t h s

_ _ _ _ _ _ _ _ _ _ _ _ _

19. _ _ _ _ _ _ _ _

9 4 17 2 9 12 6 7

20. S o l d i e r s f o u g h t

_ _ _ _ _ _ _ _ _ _ _ _ _ _

Test 15

Date:

A. Example:

87 — 3 — 29

42 — 2 — 21

63 — 7 — 9

1. 22 — 2 — ☐

2. 76 — 4 — ☐

3. 88 — 4 — ☐

4. ☐ — 5 — 13

5. 92 — 4 — ☐

6. 78 — 6 — ☐

7. 48 — ☐ — 16

8. 18 — ☐ — 6

9. 72 — 4 — ☐

10. ☐ — 5 — 12

B. Example:

15 — 1/3
5

20 — 1/4
5

1. 21 — 1/7
[ ]

2. 16 — 1/2
[ ]

3. 27 — 1/3
[ ]

4. [ ] — 1/3
6

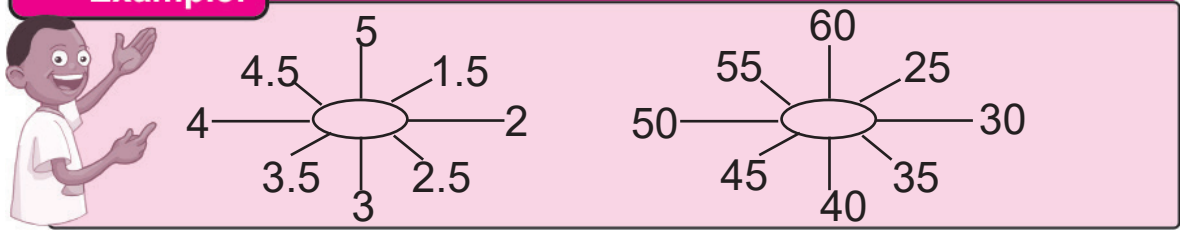
5. 30 — [ ]
6

6. 10 — 1/5
[ ]

Test 16

Date:

Example:



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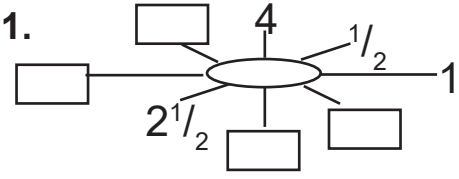

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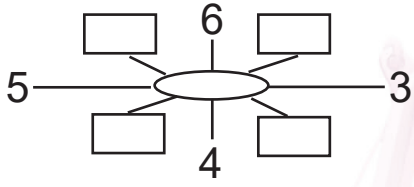

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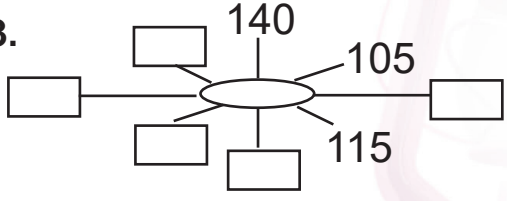

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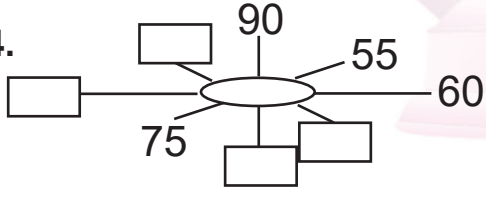
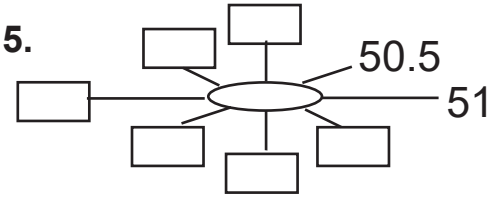


5.



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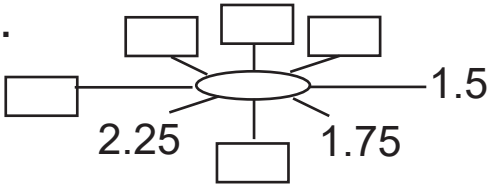

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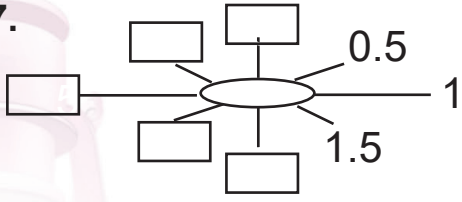

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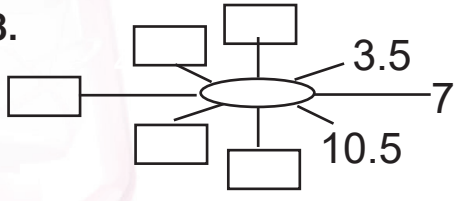

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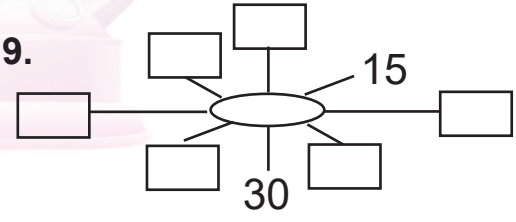

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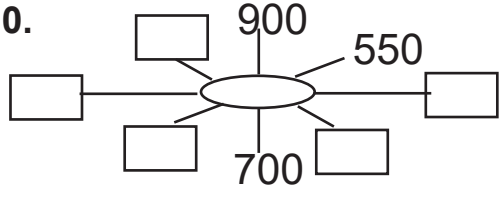


Score:

Test 17

Date:

Example:

	16	
	13	
2	11	5

	11	
	9	
6	3	8

	23	
	10	
2	8	15

1.

	15	
1	14	8

2.

	10	
10	4	6

3.

	20	
	15	
	8	12

4.

	27	
	19	
13		21

5.

	35	
25	10	15

6.

	18	
2	16	0

7.

	$^3/_4$	
	1	
$^1/_2$	$^1/_2$	

8.

	$^2/_3$	
$^1/_3$	$^1/_3$	$^1/_2$

9.

	24	
	20	
8		12

10.

	2	
	2	
1		1

Score:

Date:

Example:

58 → 20, 38

53 → 11, 42

86 → 69, 17

1. 900 → 600, ☐

2. 528 → ☐, 102

3. 365 → 95, ☐

4. ☐ → 119, 39

5. ☐ → 188, 128

6. 827 → ☐, 507

7. 145 → 57, ☐

8. ☐ → 13, 80

9. 118
58 [ ]

10. 40
[ ] 16

11.
19 111

12. 534
264 [ ]

13. 176
[ ] 95

14.
252 144

15. 600
196 [ ]

16. 285
[ ] 168

17.
152 195

18. 71
44 [ ]

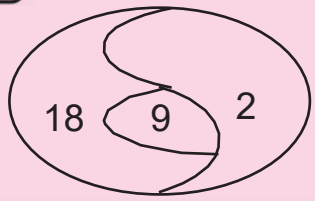
19. 46
[ ] 25

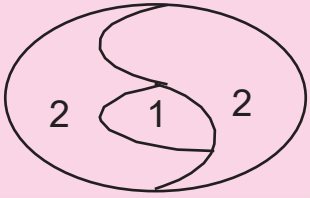
20.
30 63

Test 19

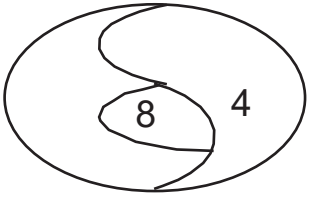
Date:

Example:

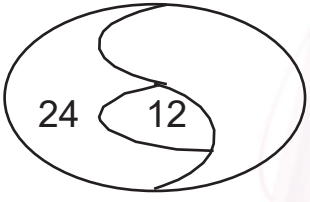




1.



2.



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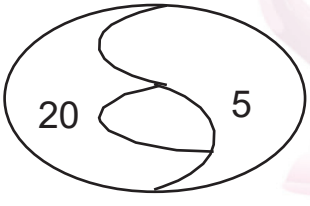

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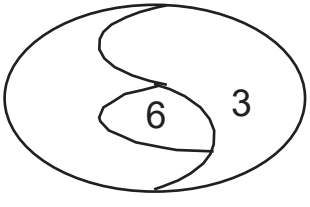

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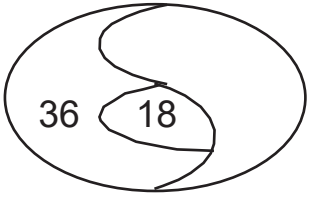

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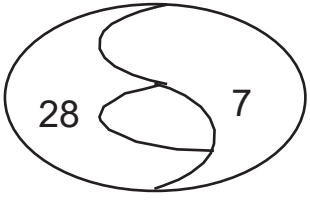

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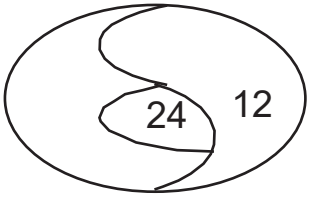

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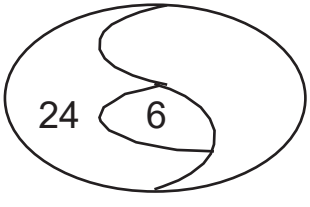


9. 48 12

10. 30 15

11. 26 13

12. 40 10

13. 64 32

14. 16 8

15. 44 11

16. 16 8

17. 56 14

18. 15 4

19. 20 10

20. 24 6

Test 20

Date:

Example:

₵7.24 − ₵3.14 = ₵4.10

$15.36 − $6.15 = $9.21

1. $6.39 − $2.22 = ☐

2. $14.20 − $6.20 = ☐

3. $7.25 − $5.13 = ☐

4. $8.36 − $6.12 = ☐

5. $20.05 − $10.10 = ☐

6. ₵33.41 − ₵31.40 = ☐

7. ₵17.20 − ₵8.10 = ☐

8. ₵8.80 − ₵4.34 = ☐

9. ₵14.20 − ₵6.13 = ☐

10. ₵2.05 − ₵1.85 = ☐

11. $5.50 − $4.25 = ☐

12. $18.40 − $4.20 = ☐

13. $34.16 − $32.12 = ☐

14. $33.42 − $21.11 = ☐

15. $10.94 − $5.25 = ☐

16. ₵8.42 − ₵6.36 = ☐

17. ₵16.20 − ₵7.10 = ☐

18. ₵21.20 − ₵8.11 = ☐

19. ₵52.50 − ₵25.15 = ☐

20. ₵0.78 − ₵0.59 = ☐

Test 21

Date:

Example:

	12	
60	48	36
	58	
	58	

	4	
90	20	28
	24	
	90	

	27	
54	18	35
	81	
	35	

1.

	20	
24	30	60
	45	

____

2.

	72	
42	12	11
	18	

____

3.

	80	
40	54	64
	56	

____

4.

	33	
77	44	55
	43	

____

5.

	40	
44	51	28
	36	

____

6.

	48	
28	56	14
	35	

____

7.

	51	
26	65	39
	52	

____

8.

	32	
84	64	96
	80	

____

9.

	96	
112	88	104
	94	

____

10.

	3	
18	4	8
	6	

____

Test 22

Date:

Example:

3	1	8	6
9	4	5	5
2	0	2	1

6	3	6	6
7	2	1	3
4	3	2	8

1.

3	2	7	9
7	1	4	2
6	1	8	

2.

9	7	2	
4	2	0	5
1	0	9	9

3.

5	1	0	2
	1	2	6
3	0	9	3

4.

4	2	4	
7	3	5	5
5	1	5	3

5.

4	2	8	7
	8	1	9
5	3	0	6

6.

8	4	0	
7	4	9	7
6	5	4	9

7.

3	0	6	2
	1	0	5
1	0	4	4

8.

6	4	8	8
2	1	8	9
5	2	5	

9.

8	6	4	
4	1	6	4
2	0	4	2

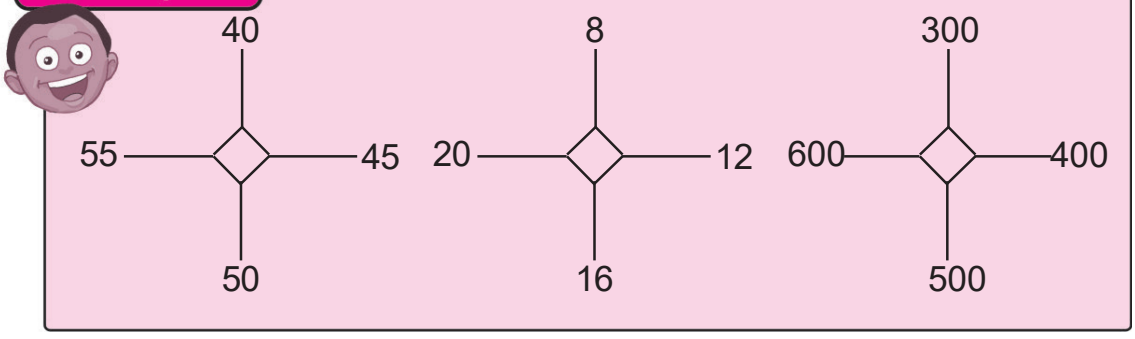
10.

9	5	4	6
3	1	8	
7	5	6	8

Score:

Date:

Example:



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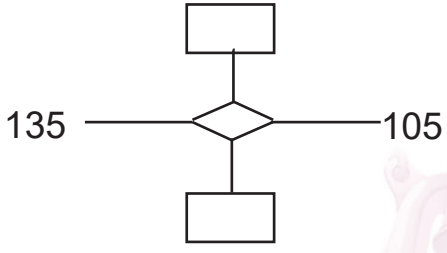

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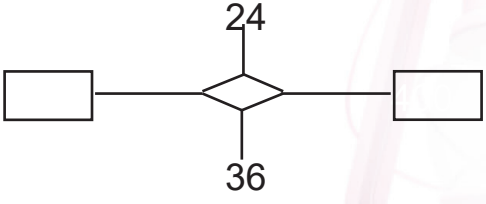

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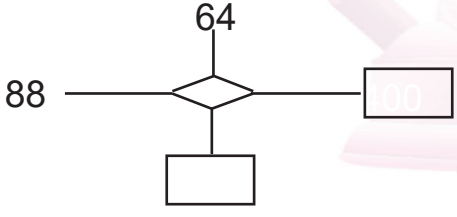

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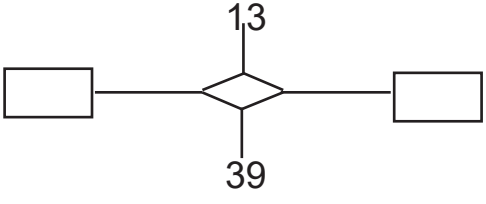

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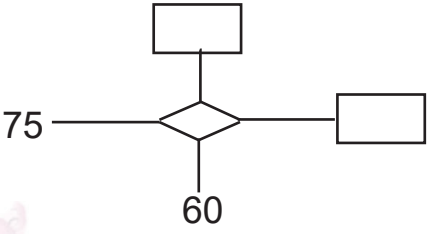

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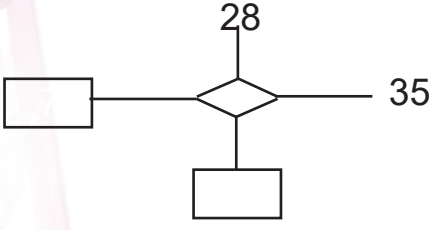

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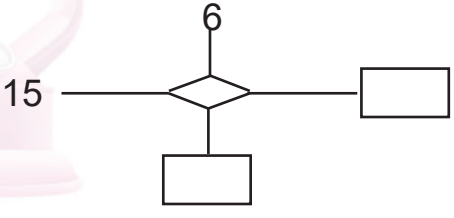

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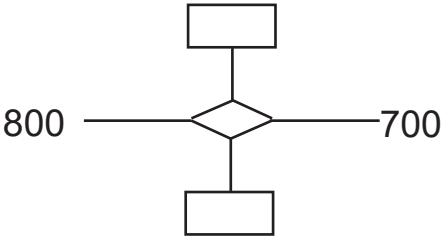

Score:

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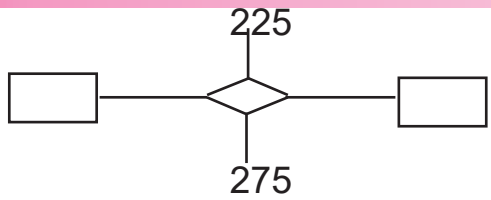

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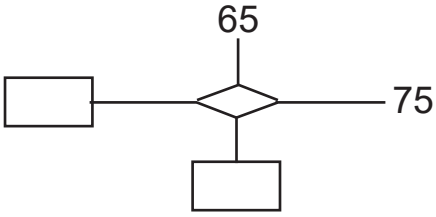

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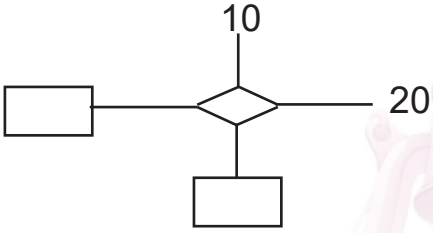

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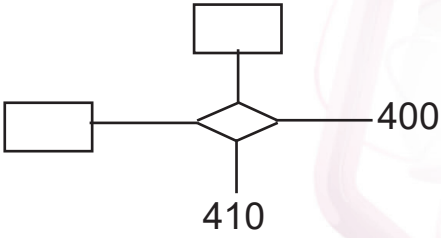

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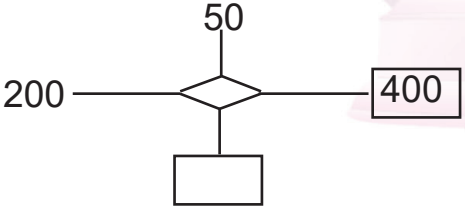

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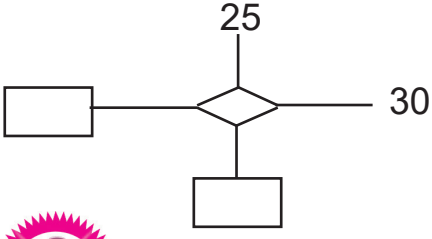

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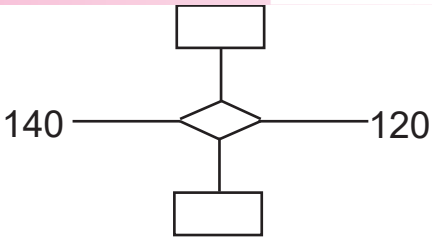

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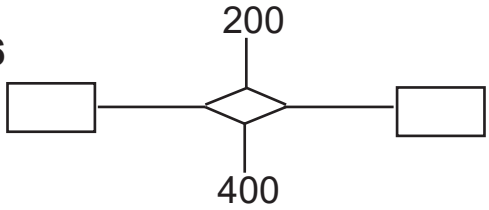

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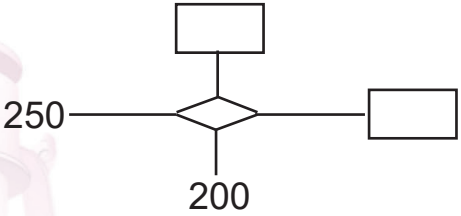

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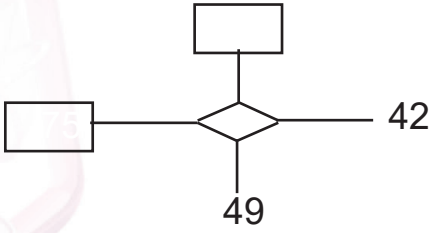

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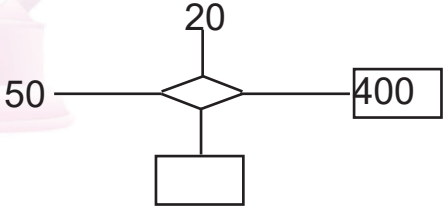

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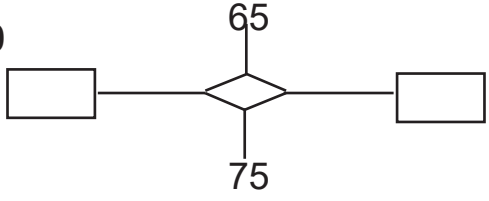

Date:

A. Example:

30	98	130
5	7	13
6	14	10

1.

9	
3	

2.

10	
10	

3.

81	
9	

4.

84	
9	
7	

5.

7	
7	

6.

60	
6	

7.

24	
8	

8.

96	
12	

9.

18	
3	

Score:

10.

9	
7	

11.

72	
9	

12.

48	
6	

13.

4	
8	

14.

5	
8	

15.

27	
3	

16.

77	
11	

17.

9	
10	

18.

64	
8	

19.

49	
7	

20.

5	
11	

STEPS TO QUANTITATIVE REASONING

For Primary Schools

3

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*.

Ore Olunloyo

Basic Operations

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