

Focus on **MATHEMATICS**

Teacher's Manual
Class 2



TEACHER'S HELP BOOK

MATHEMATICS-2

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1. Write the number names:

Thirty nine, seventy three, eighty seven

2. Write the numbers:

(a) 52 (b) 36 (c) 35 (d) 59 (e) 79 (f) 93

3. Write the missing numbers on the caterpillar:

43 → 44 → **45** → 46 → **47** → 48 → 49 → 50

93 → **94** → **95** → 96 → **97** → 98 → **99** → 100

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4. (a) $89 < 99$ (b) $36 = 36$ (c) $28 = 28$ (d) $38 < 40$ (e) $29 < 54$ (f) $54 > 39$

5. (a) **39** 40; **38** 39; **24** 25; **35** 36; **69** 70; **50** 51; **42** 43; **81** 82 (b) 15 **16** 17; 35 **36** 37; 14 **15** 16; 23 **24** 25; 67 **68** 69; 50 **51** 52; 55 **56** 57; 54 **55** 56; 68 **69** 70; 34 **35** 36; 94 **95** 96; 33 **34** 35 (c) 19 **20**; 23 **24**; 35 **36**; 54 **55**; 62 **63**; 73 **74**; 86 **87**; 99 **100**

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6. (a) Arrange them in ascending order:

11, 14, 23, 29, 35, 49

(b) Arrange them in descending order:

99, 94, 77, 67, 54, 36

7. Write the numbers in the expanded form: (a) $25 = 2 \text{ tens} + 5 \text{ ones} = 20 + 5$

(b) $45 = 4 \text{ ten} + 5 \text{ ones} = 40 + 5$

(c) $87 = 8 \text{ tens} + 8 \text{ ones} = 80 + 7$

8. Write the numbers in short form:

(a) 45 (b) 76

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1. Write the missing numbers:

101	102	103	104	105	106	107	108	109	110
-----	------------	------------	------------	-----	------------	------------	------------	-----	------------

111	112	213	214	215	216	217	218	219	220
321	322	323	324	325	326	327	328	329	330
331	332	333	434	435	436	437	438	439	440
441	542	543	544	545	546	547	548	549	550

2. Write the missing numbers:

551	552	553	554	555	556	557	558	559	560
561	562	663	664	665	666	667	668	669	670
671	672	673	674	775	776	777	778	779	780
881	882	883	884	885	886	887	888	889	890
891	992	993	994	995	996	997	998	999	1000

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.....

Write in hundred, tens and ones. The first one has been done for you:

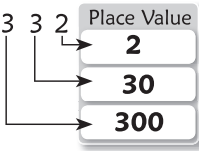
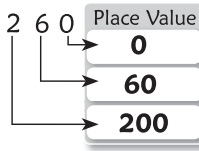
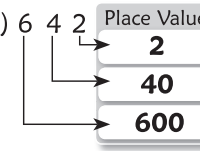
- (a) 364 = **3** hundred **6** tens **4** ones
 (b) 275 = **2** hundred **7** tens **5** ones
 (c) 477 = **4** hundred **7** tens **7** ones
 (d) 305 = **3** hundred **0** tens **5** ones
 (e) 549 = **5** hundred **4** tens **9** ones
 (f) 757 = **7** hundred **5** tens **7** ones
 (g) 956 = **9** hundred **5** tens **6** ones
 (h) 867 = **8** hundred **6** tens **7** ones
 (i) 300 = **3** hundred **0** tens **0** ones
 (j) 492 = **4** hundred **8** tens **2** ones
 (k) 577 = **5** hundred **7** tens **7** ones
 (l) 646 = **6** hundred **4** tens **6** ones
 (m) 747 = **7** hundred **4** tens **7** ones
 (n) 957 = **9** hundred **5** tens **7** ones
 (o) 843 = **8** hundred **4** tens **3** ones

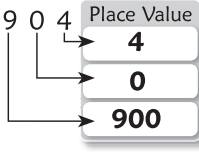
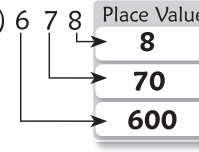
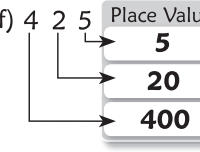
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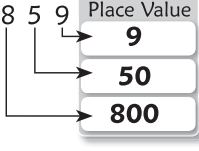
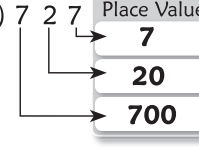
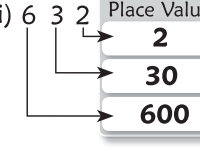
Write the number names:		Write the numerals:	
(a)	Two hundred five	(a)	112
(b)	Three hundred seventeen	(b)	206
(c)	Four hundred forty	(c)	329
(d)	Five hundred two	(d)	425

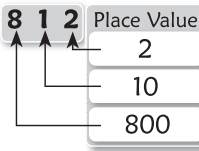
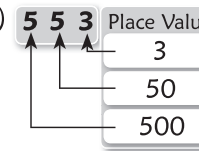
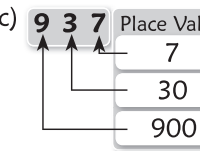
(e)	Six hundred seventy five	(e)	532
(f)	Three hundred eighty six	(f)	670
(g)	Five hundred sixty seven	(g)	772
(h)	Six hundred eighteen	(h)	805
(i)	Two hundred nineteen	(i)	955
(j)	Five hundred sixteen	(j)	732
(k)	Six hundred four	(k)	304
(l)	Seven hundred ninety nine	(l)	655
(m)	Nine hundred seventy five	(m)	206
(n)	Eight hundred five	(n)	709
(o)	Seven hundred thirty two	(o)	345

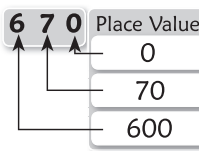
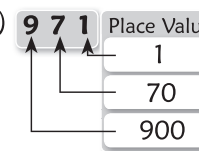
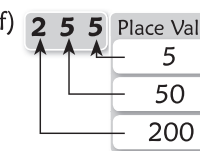
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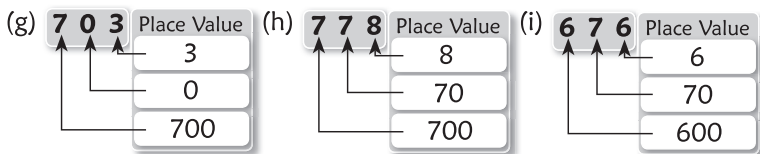
1. (a)  (b)  (c) 

(d)  (e)  (f) 

(g)  (h)  (i) 

2. (a)  (b)  (c) 

(d)  (e)  (f) 



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- $534 = 5 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} = 500 + 30 + 4$
 - $694 = 6 \text{ hundreds} + 9 \text{ tens} + 4 \text{ ones} = 600 + 90 + 4$
 - $758 = 7 \text{ hundreds} + 5 \text{ tens} + 8 \text{ ones} = 700 + 50 + 8$
 - $889 = 8 \text{ hundreds} + 8 \text{ tens} + 9 \text{ ones} = 800 + 80 + 9$
 - $999 = 9 \text{ hundreds} + 9 \text{ tens} + 9 \text{ ones} = 900 + 90 + 9$
- $5 \text{ hundreds} + 3 \text{ tens} + 3 \text{ ones} = 500 + 30 + 3 = 533$
 - $6 \text{ hundreds} + 6 \text{ tens} + 4 \text{ ones} = 600 + 60 + 4 = 664$
 - $7 \text{ hundreds} + 8 \text{ tens} + 1 \text{ ones} = 700 + 80 + 1 = 781$
 - $8 \text{ hundreds} + 4 \text{ tens} + 2 \text{ ones} = 800 + 40 + 2 = 842$
 - $9 \text{ hundreds} + 9 \text{ tens} + 7 \text{ ones} = 900 + 90 + 7 = 997$

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- Even numbers: **250, 280, 604, 666, 878**
 Odd numbers: **393, 461, 505, 517, 999**
- 540, **542, 544, 546, 548, 550**, 552
 - 956, **958, 960, 962, 964, 966**, 968
- 411, **413, 415, 417, 419, 421**, 423
 - 747, **749, 751, 753, 755, 757**, 759

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- 140**, 141; **277**, 278; **324**, 325; **523**, 524; **684**, 685; **711**, 712; **828**, 829, **948**, 949
- 236, **237**, 238; 105, **106**, 107; 485, **486**, 487; 674, **675**, 676; 935, **936**, 937; 850, **851**, 852
- 139, **140**; 278, **279**; 421, **422**; 550, **551**; 626, **627**; 792, **793**; 858, **859**; 972, **973**

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Write >, < or = to make the statements true:

- (a) $127 < 152$ (b) $700 > 555$ (c) $478 > 235$ (d) $377 < 457$

- (e) $239 = 239$ (f) $547 = 547$ (g) $400 < 500$ (h) $245 < 355$
 (i) $129 < 219$ (j) $755 < 775$ (k) $628 < 638$ (l) $782 < 872$
 (m) $567 > 267$ (n) $985 = 985$ (o) $999 > 998$ (p) $665 > 656$

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1. (a) **200, 300, 400, 600, 700, 900** (b) **125, 169, 535, 581, 641, 644**
 2. (a) **924, 719, 650, 625, 524, 515** (b) **770, 725, 680, 610, 460, 440**

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1. Re-arrange the digits to form the largest and smallest number:

	Digits	Largest Number	Smallest Number
(a)	3, 4, 5	543	345
(b)	4, 3, 2	432	234
(c)	2, 1, 8	821	128
(d)	8, 5, 4	854	458
(e)	5, 4, 7	564	457
(f)	5, 2, 8	852	258

2. 854 3. 100

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Mental Math

1. (a) 99 (b) 100 (c) 999
 2. (a) odd (b) odd (c) even (d) even (e) odd (f) odd
 3. (a) 111, **112, 113**, 114, **115**, 116 (b) **301, 302**, 303, **304**, 305, **306** (c) 525, **526, 527, 528**, 529, **530** (d) **765**, 766, **767, 768**, 769, **670** (e) 877, **878, 879**, 880, **881, 882**

Fun Time Activity

1.	Digits	Greatest Number	Smallest Number
(a)	4, 2, 5	542	245
(b)	7, 4, 3	743	347
(c)	6, 3, 2	632	236

2. (a) $425 = 400 + 20 + 5$ (b) $980 = 900 + 80 + 0$

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Find the sum:

- (a) $\begin{array}{r} 25 \\ + 13 \\ \hline 38 \end{array}$ (b) $\begin{array}{r} 48 \\ + 21 \\ \hline 69 \end{array}$ (c) $\begin{array}{r} 35 \\ + 42 \\ \hline 77 \end{array}$ (d) $\begin{array}{r} 23 \\ + 54 \\ \hline 77 \end{array}$
- (e) $\begin{array}{r} 53 \\ + 23 \\ \hline 76 \end{array}$ (f) $\begin{array}{r} 61 \\ + 37 \\ \hline 98 \end{array}$ (g) $\begin{array}{r} 61 \\ + 17 \\ \hline 78 \end{array}$ (h) $\begin{array}{r} 44 \\ + 52 \\ \hline 96 \end{array}$

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1. (a) $5 + 4 = 4 + 5$ (b) $55 + 23 = 23 + 55$
 (c) $7 + (3 + 5) = (7 + 3) + 5$ (d) $(12 + 17) + 9 = 12 + (17 + 9)$
 (e) $24 + (17 + 10) = (24 + 17) + 10$
2. (a) $18 + 0 = 18$ (b) $30 + 0 = 30$ (c) $99 + 0 = 99$
 (d) $86 + 0 = 86$ (e) $34 + 0 = 34$ (f) $59 + 0 = 59$
3. $12 + 3 = 15$; $30 + 1 = 31$; $24 + 5 = 29$; $40 + 1 = 41$; $34 + 2 = 36$

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Add the following:

- (a) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 58 \\ + 46 \\ \hline 104 \end{array}$ (b) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 69 \\ + 45 \\ \hline 114 \end{array}$ (c) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 77 \\ + 46 \\ \hline 123 \end{array}$
- (d) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 96 \\ + 34 \\ \hline 130 \end{array}$ (e) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 98 \\ + 78 \\ \hline 176 \end{array}$ (f) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 87 \\ + 95 \\ \hline 182 \end{array}$
- (g) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 97 \\ + 49 \\ \hline 146 \end{array}$ (h) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 48 \\ + 76 \\ \hline 124 \end{array}$ (i) $\begin{array}{r} \textcircled{1} \textcircled{} \\ 62 \\ + 87 \\ \hline 149 \end{array}$
- (j) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 79 \\ + 49 \\ \hline 128 \end{array}$ (k) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 89 \\ + 85 \\ \hline 174 \end{array}$ (l) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 79 \\ + 66 \\ \hline 145 \end{array}$

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Find the sum:

(a)
$$\begin{array}{r} 41 \\ + 12 \\ + 25 \\ \hline 78 \end{array}$$

(b)
$$\begin{array}{r} 43 \\ + 13 \\ + 32 \\ \hline 88 \end{array}$$

(c)
$$\begin{array}{r} 23 \\ + 13 \\ + 11 \\ \hline 47 \end{array}$$

(d)
$$\begin{array}{r} 32 \\ + 34 \\ + 43 \\ \hline 109 \end{array}$$

(e)
$$\begin{array}{r} 36 \\ + 20 \\ + 12 \\ \hline 68 \end{array}$$

(f)
$$\begin{array}{r} 35 \\ + 10 \\ + 23 \\ \hline 68 \end{array}$$

(g)
$$\begin{array}{r} 41 \\ + 13 \\ + 22 \\ \hline 76 \end{array}$$

(h)
$$\begin{array}{r} 24 \\ + 25 \\ + 30 \\ \hline 79 \end{array}$$

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Add the following:

(a)
$$\begin{array}{r} 1 \\ 45 \\ + 23 \\ + 17 \\ \hline 85 \end{array}$$

(b)
$$\begin{array}{r} 1 \\ 33 \\ + 27 \\ + 44 \\ \hline 104 \end{array}$$

(c)
$$\begin{array}{r} 1 \\ 64 \\ + 28 \\ + 15 \\ \hline 107 \end{array}$$

(d)
$$\begin{array}{r} 1 \\ 65 \\ + 24 \\ + 17 \\ \hline 106 \end{array}$$

(e)
$$\begin{array}{r} 1 \\ 52 \\ + 36 \\ + 47 \\ \hline 135 \end{array}$$

(f)
$$\begin{array}{r} 1 \\ 24 \\ + 65 \\ + 19 \\ \hline 108 \end{array}$$

(g)
$$\begin{array}{r} 1 \\ 26 \\ + 43 \\ + 15 \\ \hline 84 \end{array}$$

(h)
$$\begin{array}{r} 1 \\ 49 \\ + 37 \\ + 13 \\ \hline 99 \end{array}$$

(i)
$$\begin{array}{r} 2 \\ 45 \\ + 37 \\ + 48 \\ \hline 130 \end{array}$$

(j)
$$\begin{array}{r} 1 \\ 15 \\ + 23 \\ + 66 \\ \hline 104 \end{array}$$

(k)
$$\begin{array}{r} 2 \\ 38 \\ + 37 \\ + 35 \\ \hline 110 \end{array}$$

(l)
$$\begin{array}{r} 1 \\ 70 \\ + 29 \\ + 10 \\ \hline 109 \end{array}$$

(m)
$$\begin{array}{r} 1 \\ 67 \\ + 20 \\ + 34 \\ \hline 121 \end{array}$$

(n)
$$\begin{array}{r} 2 \\ 35 \\ + 26 \\ + 19 \\ \hline 80 \end{array}$$

(o)
$$\begin{array}{r} 1 \\ 57 \\ + 27 \\ + 11 \\ \hline 95 \end{array}$$

(p)
$$\begin{array}{r} 2 \\ 56 \\ + 39 \\ + 48 \\ \hline 143 \end{array}$$

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Word problems on addition (story sums)

1.

	5	4
+	2	2
7 6		
2.

	3	8
+	2	0
5 8		
3.

	①	
	7	2
+	5	8
1 3 0		
4.

①	①	
	8	9
+	2	7
1 1 6		
5.

②		
	5	4
+	2	8
+	3	8
12 0		

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Mental Math

1. (a) $80 + 15 = \mathbf{15} + 80$ (b) $6 + (12 + 19) = (6 + \mathbf{12}) + 19$
 (c) $0 + 55 = \mathbf{55}$ (d) $60 + 16 = 76$ then $12 + 60 = \mathbf{72}$
 (e) $3 \text{ tens} + 15 \text{ ones} = \mathbf{4} \text{ tens} + \mathbf{5} \text{ ones}$
2. (a) (i) (b) (i) (c) (ii) (d) (ii)

Fun Time Activity

1. (a) $43 = 40 + \mathbf{3}$ (b) $43 = 18 + \mathbf{25}$ (c) $43 = 30 + \mathbf{13}$ (d) $43 = 41 + \mathbf{2}$
2. (a) **number itself** (b) **ten** (c) **sum**

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Subtract:

- (a)

	5	6
–	1	4
4 2		
- (b)

	3	9
–	2	5
1 4		
- (c)

	4	6
–	3	2
1 4		
- (d)

	3	9
–	1	2
2 7		
- (e)

	3	8
–	3	4
0 4		
- (f)

	7	7
–	4	6
3 1		
- (g)

	8	7
–	3	4
5 3		
- (h)

	9	9
–	5	4
4 5		

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Subtract the following:

- (a)

	2	8
–	1	3
1 5		
- (b)

	4	5
–	1	3
3 2		
- (c)

	7	6
–	3	4
4 2		
- (d)

	5	2
–	1	1
4 1		

- (e)
$$\begin{array}{r} 89 \\ - 25 \\ \hline 64 \end{array}$$
- (f)
$$\begin{array}{r} 44 \\ - 13 \\ \hline 31 \end{array}$$
- (g)
$$\begin{array}{r} 75 \\ - 52 \\ \hline 23 \end{array}$$
- (h)
$$\begin{array}{r} 69 \\ - 18 \\ \hline 51 \end{array}$$
- (i)
$$\begin{array}{r} 87 \\ - 37 \\ \hline 50 \end{array}$$
- (j)
$$\begin{array}{r} 66 \\ - 25 \\ \hline 41 \end{array}$$
- (k)
$$\begin{array}{r} 95 \\ - 82 \\ \hline 13 \end{array}$$
- (l)
$$\begin{array}{r} 58 \\ - 35 \\ \hline 23 \end{array}$$

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Subtract the following:

- (a)
$$\begin{array}{r} 212 \\ 32 \\ - 15 \\ \hline 17 \end{array}$$
- (b)
$$\begin{array}{r} 315 \\ 45 \\ - 29 \\ \hline 16 \end{array}$$
- (c)
$$\begin{array}{r} 612 \\ 72 \\ - 49 \\ \hline 23 \end{array}$$
- (d)
$$\begin{array}{r} 516 \\ 66 \\ - 38 \\ \hline 28 \end{array}$$
- (e)
$$\begin{array}{r} 612 \\ 72 \\ - 56 \\ \hline 16 \end{array}$$
- (f)
$$\begin{array}{r} 417 \\ 57 \\ - 38 \\ \hline 19 \end{array}$$
- (g)
$$\begin{array}{r} 212 \\ 32 \\ - 13 \\ \hline 19 \end{array}$$
- (h)
$$\begin{array}{r} 813 \\ 93 \\ - 66 \\ \hline 27 \end{array}$$
- (i)
$$\begin{array}{r} 814 \\ 94 \\ - 28 \\ \hline 66 \end{array}$$
- (j)
$$\begin{array}{r} 215 \\ 35 \\ - 16 \\ \hline 19 \end{array}$$
- (k)
$$\begin{array}{r} 613 \\ 73 \\ - 18 \\ \hline 55 \end{array}$$
- (l)
$$\begin{array}{r} 713 \\ 83 \\ - 45 \\ \hline 38 \end{array}$$
- (m)
$$\begin{array}{r} 110 \\ 20 \\ - 15 \\ \hline 05 \end{array}$$
- (n)
$$\begin{array}{r} 610 \\ 70 \\ - 45 \\ \hline 25 \end{array}$$
- (o)
$$\begin{array}{r} 712 \\ 82 \\ - 33 \\ \hline 49 \end{array}$$
- (p)
$$\begin{array}{r} 510 \\ 60 \\ - 55 \\ \hline 05 \end{array}$$

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Word problems

1.
$$\begin{array}{r} \square \square \\ 68 \\ - 23 \\ \hline 45 \end{array}$$
2.
$$\begin{array}{r} 812 \\ 92 \\ - 78 \\ \hline 14 \end{array}$$
3.
$$\begin{array}{r} 416 \\ 56 \\ - 49 \\ \hline 07 \end{array}$$
4.
$$\begin{array}{r} 515 \\ 65 \\ - 47 \\ \hline 18 \end{array}$$
5.
$$\begin{array}{r} \square \square \\ 56 \\ - 16 \\ \hline 40 \end{array}$$

Mental Math

1. (a) (i) (b) (i) (c) (ii) (d) (i)

Fun Time Activity

What has a mouth but never eats ?

(a)
$$\begin{array}{r} 40 \\ - 36 \\ \hline 04 \end{array}$$
 (b)
$$\begin{array}{r} 24 \\ + 16 \\ \hline 40 \end{array}$$
 (c)
$$\begin{array}{r} 79 \\ - 69 \\ \hline 10 \end{array}$$
 (d)
$$\begin{array}{r} 57 \\ - 19 \\ \hline 38 \end{array}$$
 (e)
$$\begin{array}{r} 12 \\ - 8 \\ \hline 04 \end{array}$$

On decoding answer is “river.”

Add the following:

(a)
$$\begin{array}{r} 355 \\ + 402 \\ \hline 757 \end{array}$$
 (b)
$$\begin{array}{r} 615 \\ + 213 \\ \hline 828 \end{array}$$
 (c)
$$\begin{array}{r} 445 \\ + 512 \\ \hline 957 \end{array}$$

(d)
$$\begin{array}{r} 454 \\ + 222 \\ \hline 676 \end{array}$$
 (e)
$$\begin{array}{r} 625 \\ + 272 \\ \hline 897 \end{array}$$
 (f)
$$\begin{array}{r} 542 \\ + 326 \\ \hline 868 \end{array}$$

(g)
$$\begin{array}{r} 165 \\ + 531 \\ \hline 696 \end{array}$$
 (h)
$$\begin{array}{r} 198 \\ + 801 \\ \hline 999 \end{array}$$
 (i)
$$\begin{array}{r} 637 \\ + 251 \\ \hline 888 \end{array}$$

(j)
$$\begin{array}{r} 326 \\ + 371 \\ \hline 697 \end{array}$$
 (k)
$$\begin{array}{r} 748 \\ + 151 \\ \hline 899 \end{array}$$
 (l)
$$\begin{array}{r} 335 \\ + 531 \\ \hline 866 \end{array}$$

(m)
$$\begin{array}{r} 541 \\ + 336 \\ \hline 877 \end{array}$$
 (n)
$$\begin{array}{r} 823 \\ + 154 \\ \hline 977 \end{array}$$
 (o)
$$\begin{array}{r} 314 \\ + 381 \\ \hline 695 \end{array}$$

Add the following:

(a)
$$\begin{array}{r} 11 \\ 468 \\ + 175 \\ \hline 643 \end{array}$$
 (b)
$$\begin{array}{r} 11 \\ 535 \\ + 167 \\ \hline 702 \end{array}$$
 (c)
$$\begin{array}{r} 11 \\ 465 \\ + 379 \\ \hline 844 \end{array}$$

(d)

1	1	
2	6	8
+ 1	7	7
4	4	5

(e)

1	1	
5	6	1
+ 1	7	9
7	4	0

(f)

1	1	
5	2	3
+ 2	8	8
8	1	1

(g)

1	1	
6	1	1
+ 2	9	9
9	1	0

(h)

1	1	
4	2	8
+ 1	8	8
6	1	6

(i)

	1	
7	2	4
+ 2	4	8
9	7	2

(j)

1	1	
1	3	5
+ 6	2	4
+ 1	7	6
9	3	5

(k)

2	2	
1	7	9
+ 3	4	3
+ 3	7	8
9	0	0

(l)

1	1	
5	3	6
+ 2	3	5
+ 1	7	4
9	4	5

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.....

Subtract the following:

(a)

3	6	5
- 1	4	3
2	2	2

(b)

5	6	3
- 3	1	0
2	5	3

(c)

3	5	7
- 1	4	5
2	1	2

(d)

4	4	9
- 3	2	5
1	2	4

(e)

6	4	6
- 2	3	3
4	1	3

(f)

7	8	6
- 2	4	3
5	4	3

(g)

3	8	6
- 3	2	3
0	6	3

(h)

8	7	4
- 4	3	2
4	4	2

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.....

Subtract the following:

(a)

5	11	12
6	2	2
- 4	3	6
1	8	6

(b)

1	12	10
2	3	0
- 1	4	4
0	8	6

(c)

6	10	15
7	1	5
- 3	4	6
3	6	9

(d)
$$\begin{array}{r} \boxed{7} \ \boxed{11} \ \boxed{15} \\ 8 \ 2 \ 5 \\ - 5 \ 4 \ 8 \\ \hline \boxed{2} \ \boxed{7} \ \boxed{7} \end{array}$$

(e)
$$\begin{array}{r} \boxed{3} \ \boxed{11} \ \boxed{16} \\ 3 \ 2 \ 6 \\ - 2 \ 3 \ 7 \\ \hline \boxed{0} \ \boxed{8} \ \boxed{9} \end{array}$$

(f)
$$\begin{array}{r} \boxed{4} \ \boxed{9} \ \boxed{14} \\ 5 \ 0 \ 4 \\ - 1 \ 6 \ 8 \\ \hline \boxed{3} \ \boxed{3} \ \boxed{6} \end{array}$$

(g)
$$\begin{array}{r} \boxed{4} \ \boxed{11} \ \boxed{12} \\ 5 \ 2 \ 2 \\ - 3 \ 8 \ 8 \\ \hline \boxed{1} \ \boxed{3} \ \boxed{4} \end{array}$$

(h)
$$\begin{array}{r} \boxed{5} \ \boxed{12} \ \boxed{16} \\ 6 \ 3 \ 6 \\ - 2 \ 4 \ 8 \\ \hline \boxed{3} \ \boxed{8} \ \boxed{8} \end{array}$$

(i)
$$\begin{array}{r} \boxed{3} \ \boxed{15} \ \boxed{10} \\ 4 \ 6 \ 0 \\ - 2 \ 8 \ 4 \\ \hline \boxed{1} \ \boxed{7} \ \boxed{6} \end{array}$$

(j)
$$\begin{array}{r} \boxed{7} \ \boxed{14} \ \boxed{12} \\ 8 \ 5 \ 2 \\ - 6 \ 8 \ 5 \\ \hline \boxed{1} \ \boxed{6} \ \boxed{7} \end{array}$$

(k)
$$\begin{array}{r} \boxed{} \ \boxed{8} \ \boxed{10} \\ 6 \ 9 \ 0 \\ - 4 \ 8 \ 4 \\ \hline \boxed{2} \ \boxed{0} \ \boxed{6} \end{array}$$

(l)
$$\begin{array}{r} \boxed{5} \ \boxed{9} \ \boxed{10} \\ 6 \ 0 \ 0 \\ - 2 \ 5 \ 7 \\ \hline \boxed{3} \ \boxed{4} \ \boxed{3} \end{array}$$

(m)
$$\begin{array}{r} \boxed{2} \ \boxed{15} \ \boxed{17} \\ 3 \ 6 \ 7 \\ - 1 \ 8 \ 8 \\ \hline \boxed{1} \ \boxed{7} \ \boxed{9} \end{array}$$

(n)
$$\begin{array}{r} \boxed{1} \ \boxed{12} \ \boxed{} \\ 2 \ 2 \ 5 \\ - 1 \ 4 \ 5 \\ \hline \boxed{0} \ \boxed{8} \ \boxed{0} \end{array}$$

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Word Problems (Add or Subtract) :

1.
$$\begin{array}{r} \boxed{4} \ \boxed{15} \\ 5 \ 5 \ 6 \\ - 2 \ 7 \ 5 \\ \hline \boxed{2} \ \boxed{8} \ \boxed{1} \end{array}$$

2.
$$\begin{array}{r} \boxed{1} \ \boxed{10} \\ 2 \ 0 \ 0 \\ - 1 \ 5 \ 0 \\ \hline \boxed{0} \ \boxed{5} \ \boxed{0} \end{array}$$

3.
$$\begin{array}{r} \boxed{1} \ \boxed{1} \\ 2 \ 9 \ 8 \\ + 1 \ 6 \ 4 \\ \hline \boxed{4} \ \boxed{6} \ \boxed{2} \end{array}$$

4.
$$\begin{array}{r} \boxed{4} \ \boxed{9} \ \boxed{10} \\ 5 \ 0 \ 0 \\ - 1 \ 4 \ 8 \\ \hline \boxed{3} \ \boxed{5} \ \boxed{2} \end{array}$$

5.
$$\begin{array}{r} 5 \ 6 \ 4 \\ - 2 \ 4 \ 3 \\ \hline \boxed{3} \ \boxed{2} \ \boxed{1} \end{array}$$

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Mental Math

1. (a) (ii) (b) (i) 2. (a) $30 + 20 = \mathbf{50}$ (b) $50 + 40 = \mathbf{90}$ (c) $40 + 50 = \mathbf{90}$

(d) $50 + 60 = 110$ (e) $48 + 10 = 58$ (f) $70 + 80 = 150$ (g) $167 + 30 = 197$
 (h) $326 + 60 = 386$ (i) $649 + 100 = 749$ (j) $146 + 100 = 246$ (k) $400 + 100 = 500$ (l) $215 + 150 = 365$

Fun Time Activity

Try yourself.

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1.	Repeated Addition	Multiplication	Product
(a)	$4 + 4 + 4$	$= 4 \times 3$	$= 12$
(b)	$7 + 7 + 7 + 7 + 7$	$= 7 \times 5$	$= 35$
(c)	$5 + 5 + 5 + 5 + 5 + 5$	$= 5 \times 6$	$= 30$
(d)	$1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1$	$= 1 \times 8$	$= 8$
(e)	$2 + 2 + 2 + 2$	$= 2 \times 4$	$= 8$
(f)	$6 + 6 + 6$	$= 6 \times 3$	$= 18$
(g)	$8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$	$= 8 \times 7$	$= 56$
(h)	$9 + 9 + 9 + 9$	$= 9 \times 4$	$= 36$

2. (a) $4 \times 5 = 20$ (b) $8 \times 2 = 16$ (c) $6 \times 5 = 30$ (d) $6 \times 6 = 36$ (e) $3 \times 2 = 6$ (f) $8 \times 5 = 40$ (g) $4 \times 9 = 36$ (h) $6 \times 2 = 12$ (i) $5 \times 6 = 30$ (j) $7 \times 4 = 28$

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Fill in the blanks:

(a) $6 \times 7 = 7 \times 6$ (b) $8 \times 0 = 0$ (c) $5 \times 1 = 5$ (d) $3 \times 1 = 1 \times 3$
 (e) $4 \times 3 = 3 \times 4$ (f) $2 \times 3 = 3 \times 2$ (g) $6 \times 8 = 8 \times 6$ (h) $8 \times 1 = 1 \times 8$ (i) $3 \times 7 = 7 \times 3$ (j) $7 \times 0 = 0$ (k) $9 \times 0 = 0$ (l) $3 \times 1 = 3$
 (m) $5 \times 1 = 1 \times 5$ (n) $4 \times 5 = 4 \times 3$ (o) $4 \times 7 = 7 \times 4$ (p) $1 \times 8 = 8 \times 1$
 (q) $2 \times 5 = 5 \times 2$ (r) $3 \times 5 = 5 \times 3$ (s) $9 \times 1 = 1 \times 9$ (t) $6 \times 5 = 5 \times 6$

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1. (a) $2 \times 4 = 8$ (b) $4 \times 4 = 16$ (c) $7 \times 8 = 56$ (d) $4 \times 3 = 12$
 (e) $3 \times 5 = 15$ (f) $9 \times 4 = 36$ (g) $5 \times 9 = 45$ (h) $2 \times 0 = 0$ (i) $0 \times 5 = 0$ (j) $5 \times 5 = 25$ (k) $4 \times 5 = 20$ (l) $5 \times 6 = 30$ (m) $6 \times 3 = 18$ (n) $6 \times 5 = 30$ (o) $7 \times 7 = 49$ (p) $2 \times 9 = 18$ (q) $7 \times 2 = 14$ (r) $8 \times 4 = 32$ (s) $3 \times 3 = 9$ (t) $8 \times 8 = 64$ (u) $9 \times 2 = 18$ (v) $4 \times 3 = 12$ (w) $5 \times 3 = 15$ (x) $6 \times 4 = 24$
 2. (a) $8 \times 5 = 40$ (b) $3 \times 8 = 24$ (c) $4 \times 9 = 36$ (d) $6 \times 7 = 42$ (e) $9 \times 3 = 27$ (f) $5 \times 4 = 20$ (g) $4 \times 2 = 8$ (h) $5 \times 7 = 35$ (i) 7×4

= 28 (j) **5** × 3 = 15 (k) 7 × **4** = 28 (l) 8 × 4 = **32** (m) 5 × 4 = **20** (n) 7 × 8 = **56** (o) 8 × **8** = 64 (p) 8 × 5 = **40** (q) 6 × **6** = 36 (r) 5 × 5 = **25**

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.....

(a)

32

× 2

64

(b)

21

× 4

84

(c)

14

× 2

28

(d)

12

× 4

48

(e)

43

× 2

86

(f)

33

× 3

99

(g)

44

× 2

88

(h)

11

× 7

77

(i)

31

× 3

93

(j)

34

× 2

68

(k)

42

× 2

84

(l)

11

× 8

88

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.....

Multiply:

(a)

1

35

× 3

105

(b)

23

× 3

69

(c)

1

54

× 3

162

(d)

2

37

× 4

148

(e)

2

29

× 3

87

(f)

4

68

× 6

408

(g)

5

18

× 7

126

(h)

2

57

× 3

171

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.....

(a)

122

× 2

244

(b)

231

× 4

924

(c)

124

× 2

248

(d)

442

× 2

884

(e)

321

× 2

642

(f)

232

× 4

928

(g)

213

× 3

639

(h)

331

× 2

662

(i)
$$\begin{array}{r} 124 \\ \times 3 \\ \hline 372 \end{array}$$

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Find the product:

- (a) $47 \times 10 = 470$ (b) $24 \times 10 = 240$ (c) $20 \times 10 = 200$ (d) $39 \times 10 = 390$ (e) $35 \times 10 = 350$ (f) $88 \times 10 = 880$ (g) $46 \times 10 = 460$ (h) $28 \times 10 = 280$ (i) $54 \times 10 = 540$ (j) $49 \times 10 = 490$ (k) $2 \times 100 = 200$ (l) $4 \times 100 = 400$ (m) $9 \times 100 = 900$ (n) $6 \times 100 = 600$ (o) $7 \times 100 = 700$ (p) $5 \times 100 = 500$

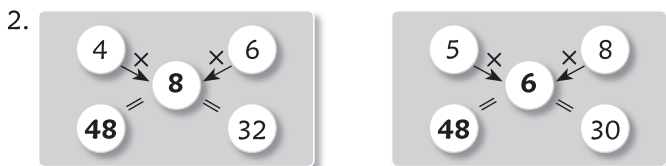
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Word Problems:

1.
$$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$$
 2.
$$\begin{array}{r} 11 \\ \times 7 \\ \hline 77 \end{array}$$
 3.
$$\begin{array}{r} 17 \\ \times 4 \\ \hline 68 \end{array}$$
 4.
$$\begin{array}{r} 34 \\ \times 9 \\ \hline 306 \end{array}$$
5.
$$\begin{array}{r} 27 \\ \times 4 \\ \hline 108 \end{array}$$

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1. (a) (i) (b) (i) (c) (i) (d) (i) (e) (ii)



Fun Time Activity

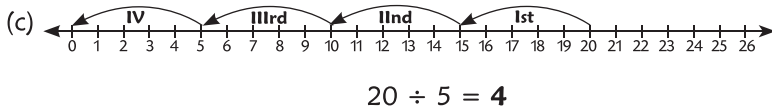
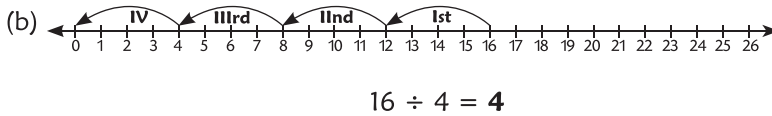
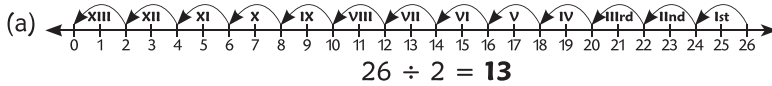
Do yourself.

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Equal Distribution

1. $12 \div 3 = 4$, 2. $24 \div 4 = 6$, 3. $30 \div 5 = 6$, 4. $12 \div 2 = 6$, 5. $15 \div 5 = 3$, 6. $35 \div 7 = 5$

Divide using the number line:



Fill in the box:

- (a) $11 \div 1 = 11$ (b) $0 \div 8 = 0$ (c) $5 \div 5 = 1$ (d) $3 \div 1 = 3$
(e) $16 \div 16 = 1$ (f) $14 \div 14 = 1$ (g) $0 \div 12 = 0$ (h) $15 \div 1 = 15$
(i) $0 \div 6 = 0$ (j) $5 \div 5 = 1$ (k) $7 \div 1 = 7$ (l) $9 \div 1 = 9$ (m) $4 \div 1 = 4$ (n) $3 \div 1 = 3$ (o) $0 \div 4 = 0$

Divide the following:

(a) $42 \div 6$

$$\begin{array}{r} 6 \overline{) 42} \\ \underline{42} \\ 0 \end{array}$$

Quotient = 7

(b) $27 \div 3$

$$\begin{array}{r} 3 \overline{) 27} \\ \underline{27} \\ 0 \end{array}$$

Quotient = 9

(c) $30 \div 5$

$$\begin{array}{r} 5 \overline{) 30} \\ \underline{30} \\ 0 \end{array}$$

Quotient = 6

(d) $35 \div 7$

$$\begin{array}{r} 7 \overline{) 35} \\ \underline{35} \\ 0 \end{array}$$

Quotient = 5

(e) $45 \div 5$

$$\begin{array}{r} 5 \overline{) 45} \\ \underline{45} \\ 0 \end{array}$$

Quotient = 9

(f) $24 \div 4$

$$\begin{array}{r} 4 \overline{) 24} \\ \underline{24} \\ 0 \end{array}$$

Quotient = 6

(g) $36 \div 6$

$$\begin{array}{r} 6 \overline{) 36} \\ \underline{36} \\ 0 \end{array}$$

Quotient = 6

(h) $18 \div 3$

$$\begin{array}{r} 3 \overline{) 18} \\ \underline{18} \\ 0 \end{array}$$

Quotient = 6

(i) $60 \div 6$

$$\begin{array}{r} 6 \overline{) 60} \\ \underline{60} \\ 0 \end{array}$$

Quotient = 10

(j) $36 \div 4$

$$\begin{array}{r} 4 \overline{) 36} \\ \underline{36} \\ 0 \end{array}$$

Quotient = 9

(k) $27 \div 9$

$$\begin{array}{r} 9 \overline{) 27} \\ \underline{27} \\ 0 \end{array}$$

Quotient = 3

(l) $49 \div 7$

$$\begin{array}{r} 7 \overline{) 49} \\ \underline{49} \\ 0 \end{array}$$

Quotient = 7

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Word Problems

1. $45 \div 5 = 9$, 2. $81 \div 9 = 9$, 3. $70 \div 7 = 10$, 4. $36 \div 6 = 6$,
5. $35 \div 7 = 5$, 6. $42 \div 6 = 7$

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1. $72 \div 9 = 8$, $27 \div 3 = 9$, $45 \div 5 = 9$, $24 \div 4 = 6$, $15 \div 5 = 3$,
 $80 \div 10 = 8$, $48 \div 6 = 8$, $12 \div 2 = 6$, $81 \div 9 = 9$, $54 \div 6 = 9$,

2. (a) $6 \times 7 < 7 \times 8$ (b) $4 \times 5 = 5 \times 4$ (c) $50 \div 10 < 5 \times 10$
(d) $0 \div 15 < 15$ (e) $9 \times 4 > 30$ (f) $45 = 5 \times 9$ 3. (a) $9 \div 1 = 9$
(b) $10 \div 1 = 10$ (c) $6 \div 1 = 6$ (d) $0 \div 5 = 0$ (e) $6 \div 6 = 1$ (f) $9 \div 1 = 9$
(g) $7 \div 7 = 1$ (h) $0 \div 4 = 0$ (i) $5 \div 5 = 1$

Fun Time Activity

3 $(1 + 2) = 9$; 5 $(3 + 4) = 35$

$\Rightarrow ? (2 + 3) = 20$

$\Rightarrow ? = \frac{20}{5} = 4$

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1. (a) $\frac{1}{4}$ (b) $\frac{1}{2}$ (c) $\frac{1}{4}$ (d) $\frac{1}{3}$ (e) $\frac{1}{2}$ (f) $\frac{1}{4}$

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.....

2. (a) $\frac{3}{4}$ (b) $\frac{2}{3}$ (c) $\frac{5}{8}$ (d) $\frac{2}{5}$ (e) $\frac{3}{6}$ (f) $\frac{2}{5}$

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.....

Fun Time Activity

- (a) $\frac{2}{3}$ (b) $\frac{3}{4}$ (c) $\frac{4}{6}$

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.....

- (a) 1, 2, 3, **4, 5, 6, 7, 8, 9, 10** (b) 2, 4, 6, **8, 10, 12, 14, 16, 18, 20** (c) 3, **6, 9, 12, 15, 18, 21, 24, 27, 30** (d) 4, 8, **12, 16, 20, 24, 28, 32, 36, 40** (e) 5, 10, **15, 20, 25, 30, 35, 40, 45, 50** (f) **6, 12, 18, 24, 30, 36, 42, 48, 54, 60** (g) **7, 14, 21, 28, 35, 42, 49, 56, 63, 70** (h) **8, 16, 24, 32, 40, 48, 56, 64, 72, 80**

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.....

Mental Math

1. (a) (ii) (b) (iii) (c) (ii) 2. (a) 99, 98, 97, 96, **95, 94, 93** (b) 100, 150, 200, 250 **300, 350, 400** (c) 33, 44, 55, 66 **77, 88, 99** (d) 14, 26, 38, 50 **62, 74, 86**

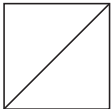
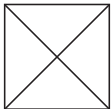

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



1. **Rectangle, Circle, Square, Triangle** 2. Number of Triangles = **5**, Squares = **5**, Circles = **13**, Rectangles = **8**, 3. (a) **cone** (b) **cube** (c) **cuboid** (d) **sphere**

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.....

1. (a) **Vertical** lines **7** (b) **Slanting** lines **8** (c) **Horizontal** lines **7** 5. (a) **Straight line 1** (b) **Curved line 1**

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.....

1. (a) **Square** (b) **Rectangle** (c) **Circle**
2. (a) sides **1** vertices **0** (b) sides **4** vertices **4** (c) sides **4** vertices **4** (d) sides **3** vertices **3** 3. (a) circles **4** (b) triangles **4** (c) squares **7**
4. (a)  (b)  (c) 

2.	Solid Shape	Number of flat faces	Number of curved faces	Number of edges	Number of corners
(a)		6	0	12	8
(b)		1	1	1	1
(c)		0	1	0	0
(d)		2	1	2	0
(e)		6	0	12	8

1. (a) (ii) (b) (i) (c) (ii) 2. funnel 3. 4 4. 3

Fun Time Activity

1. Number of straight lines **2** Number of curved lines **2** 2. **Count the lines of each type:** (a) Horizontal lines **4** (b) Vertical lines **5** (c) Slanting lines **3**

1. (a) 5 m = **500** cm (b) 18m = **1800** cm (c) 7m = **700** cm
 (d) 5 m 40 cm = **540** cm (e) 8 m 40 cm = **840** cm (f) 8 m 30 cm = **830** cm
 (g) 9 m 70 cm = **970** cm (h) 15 m 70 cm = **1570** cm
 (i) 206 cm = **2** m **6** cm (j) 329 cm = **3** m **29** cm

2. Adding and subtracting lengths:

(a)

1

5 5 cm

+ 6 7 cm

12 2 cm

(b)

1

5 5 cm

+ 6 7 cm

12 2 cm

(c)

3 m 45 cm

+ 5 m 42 cm

8 m 87 cm

(d)

2 m 85 cm

+ 5 m 08 cm

7 m 93 cm

(e)

1

5 5 cm

+ 6 7 cm

12 2 cm

(f)

1

5 5 cm

+ 6 7 cm

12 2 cm

(g)

12 m	46 cm
- 11 m	18 cm
01 m 28 cm	

(h)

37 m	50 cm
- 25 m	27 cm
12 m 23 cm	

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.....

Word Problems:

1.

1	1
1	2
5	m
1	7
4	m
+	1
6	2
m	
4 6 1 m	

2.

1	
9	
5	
cm	
+	
7	
5	
cm	
17 0 cm	

3.

1	
4	
2	
cm	
+	
4	
9	
cm	
9 1 cm	

4.

8	13
9	3
m	
-	3
6	m
5 7 m	

5.

1	
4	
8	
cm	
-	
1	
8	
cm	
13 0 cm	

6.

m	cm
2	30
-	1
	15
1m 15 cm	

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.....

1. (a) **g** (b) **g** (c) **kg** (d) **kg** (e) **g** (f) **g**

2. (a)

1	
15	
kg	
250	
g	
+	
34	
kg	
750	
g	
49 kg 1000 g	

(b)

1	
45	
kg	
735	
g	
+	
35	
kg	
210	
g	
80 kg 945 g	

(c)

1	1
225	
kg	
3	
2	
5	
g	
+	
243	
kg	
2	
7	
6	
g	
468 kg 6 0 1 g	

3. (a)

2	12	15	5	12
335				
kg				
6				
2				
5				
g				
-				
158				
kg				
3				
5				
2				
g				
177 kg 2 7 3 g				

(b)

3	14	15	1	12
455				
kg				
4				
2				
2				
g				
-				
177				
kg				
2				
0				
8				
g				
278kg 2 1 4 g				

(c)

375	
kg	
350	
g	
-	
122	
kg	
230	
g	
253 kg 120 g	

Page 100
● ● ● ● ● ● ● ● ● ●

Word Problems on mass

1.

kg	g
17	240
+ 15	230
<hr/>	
32	470

 kg

2.

kg	g
8	700
+ 1	250
<hr/>	
9 kg	950 g
<hr/>	

3.
$$\begin{array}{r} 1 \\ 75 \text{ g} \\ + 65 \text{ g} \\ \hline 140 \text{ g} \end{array}$$

4. $\begin{array}{r} 1 \\ 25 \text{ kg} \\ + 9 \text{ kg} \\ \hline 34 \text{ kg} \\ \hline \end{array}$

5.

kg	g
120	500
– 80	300
<hr/>	<hr/>
40 kg	200 g
<hr/>	<hr/>

6.

kg	g
20	300
- 17	150
<hr/>	<hr/>
3 kg	150 g
<hr/>	<hr/>

Done 105

1. (a) **ml** (b) **ml** (c) **l** (d) **ml** (e) **l** (f) **ml**

2. (a)

1	
34 l	967 ml
+ 39 l	22 ml
73 l	989 ml

(b)

1	1
65 l	590 ml
+ 25 l	330 ml
90 l 920 ml	

(c)

1	
37 l	126 ml
+ 28 l	650 ml
65 l 776 ml	

3. (a)

3	16	8	9	10
46 900 ml				
- 17 525 ml				
29 375 ml				

b)

1	13
---	----

23 / 437 ml
- 14 / 434 ml

9 / 003 ml

(c)

415	710
55 / 800 ml	
– 36 / 350 ml	
19 / 450 ml	

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Word problems on capacity

$$\begin{array}{r} 2 \text{ l } 250 \text{ ml} \\ + 3 \text{ l } 500 \text{ ml} \\ \hline 5 \text{ l } 750 \text{ ml} \end{array}$$

2.

	1
5 l	550 ml
+ 4 l	275 ml
<hr/>	
9 l	825 ml
<hr/>	

3.
$$\begin{array}{r} 5 / \\ + 6 / \\ \hline 11 / \\ \hline \end{array}$$

4.

14	11	4	10
15	/	150	ml
- 8	/	326	ml
6	/	824	ml

5.

15	/	800	ml
- 9	/	300	ml
6	/	500	ml

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1. (a) **kg and g** (b) **ml** (c) **litre** (d) **cm** 2. (a) **1000** (b) **1000** (c) 100 3. (a) **metre** (b) **kilogram** (c) **litre**

Fun Time Activity

- (a) **1000** (b) **1000** (c) **100** (d) **500** (e) **250** (f) **100**

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Count the money. The first one has been done for you:

- (a) 17 (b) **18** (c) **112** (d) **260** (e) **620** (f) **177**

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1. (a) **36** (b) **172** (c) **161** (d) **100** 2. (a) **2** (b) **5** (c) **5** (d) **5** (e) **100**



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Word problems on money:

1.

₹	25
+ ₹	20
₹	45

2.

₹	50
+ ₹	10
₹	60

3.

₹	46
+ ₹	30
₹	76

4.

₹	26
- ₹	20
₹	6

5.

₹	100
- ₹	80
₹	20

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Mental Math

(a) 5 (b) 2 (c) 10 (d) 4 (e) 5 (f) 10 (g) 5 (h) 10 (i) 5

Fun Time Activity

(a) 47 (b) 170 2.



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1. 7:00, 4:00, 10:00

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2. (a) 24 (b) minute (c) hour (d) 1 hour

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Write the time in each box as indicated :

(a) 7:15, Quarter past seven (b) 7:45 Seven forty five (c) 5:55, Five fifty five (d) 4:30, Half past four or four thirty (e) 11:45, Eleven forty five (f) 4:45, Four forty five

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1. (a) **Monday** (b) **Saturday** (c) **Wednesday** (d) **Tuesday** 2. (a) **Monday** (b) **Wednesday** (c) **Tuesday** (d) **Sunday** 3. (a) **Wednesday** (b) **Saturday** (c) **Monday** (d) **Thursday** 4. (a) **Wednesday** (b) **Friday** (c) **Tuesday** (d) **Sunday**

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1. (a) **January** (b) **April** (c) **July** (d) **December** (e) **second** (f) **tenth**
2. (a) **January** (b) **March** (c) **May** (d) **July** (e) **August** (f) **October** (g) **December** 3. **February** 4. (a) **April** (b) **June** (c) **September** (d) **November** 5. (a) **May** (b) **July** (c) **November** (d) **March**

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Word Problems

1.

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

2.

$$\begin{array}{r} \text{March} \rightarrow 31 \\ \text{April} \rightarrow + 30 \\ \hline 61 \text{ days} \end{array}$$

3. 2012 is a leap year so, which has 366 days

$$\begin{array}{r} 366 \text{ days} \\ - 214 \text{ days} \\ \hline 152 \text{ days} \end{array}$$

4. April has 30 days

$$\begin{array}{r} 30 \text{ days} \\ \times 6 \text{ hours} \\ \hline 180 \text{ hours} \end{array}$$

5. One month has 30 days

$$\begin{array}{r} 30 \\ \times 4 \\ \hline 120 \end{array}$$

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Mental Math

1. (a) (ii) (b) (iii) (c) (ii) 2. (a) 366 (b) Monday (c) 52 (d) April
 3. (a) Friday (b) 31 (c) 29 (d) $60 \times 2 = 120$ (e) $3 \times 7 = 21$ (f) 12
 (g) 4 (h) 7

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See the above pictures and count and write the number of animals/plants:

- 3, 6, 9, 9, 7, 4 2. (a) Butter fly (b) squirrel (c) 7 (d) frogs (e) 30

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1. (a) motor cycle (b) Bus (c) 9 (d) cars (e) 27

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2. (a) 3 (b) 1 (c) 10 3. (a) chocolate (b) 38 (c) vanilla (d) 126

Page – 129 Model Test Paper– I

1. 51, 52, 53, 54, 55
 87, 88, 89, 90, 91
 61, 62, 63, 64, 65
76, 77, 78, 79, 80
 86, 87, 88, 89, 90
 45, 46, 47, 48, 49

2. $40 + 4 = 44$

$90 + 0 = 90$

$80 + 9 = 89$

$30 + 5 = 35$

3. 53, 69, 70, 71, 83

24, 40, 36, 48, 50

4.

20
+ 34
54

16
+ 12
28

63
+ 25
88

35
+ 43
78

5.

59
- 38
21

76
- 45
31

69
- 26
43

28
- 16
12

6.

1
49
+ 25
+ 35
109

 7.

85
- 20
65

Page – 130 Model Test Paper– II

1. $3 \times 5 = 15$

2. $7 \times 3 = 7 + 7 + 7$

$2 \times 4 = 2 + 2 + 2 + 2$

$8 \times 6 = 8 + 8 + 8 + 8 + 8 + 8$

$2 \times 9 = 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$

3. Multiply:

(a)

8
× 3
24

 (b)

9
× 7
63

 (c)

6
× 2
12

 (d)

5
× 4
20

4. Divide using multiplication tables:

4
× 3
12

5
× 5
25

6
× 4
24

$4 \overline{) 12}$ $5 \overline{) 25}$ $6 \overline{) 24}$

5. Write the long method form of division:

$$\begin{array}{r} 6 \\ 3 \overline{) 18} \\ \underline{18} \\ \times \end{array}$$

$$\begin{array}{r} 6 \\ 8 \overline{) 48} \\ \underline{48} \\ \times \end{array}$$

$$\begin{array}{r} 9 \\ 9 \overline{) 81} \\ \underline{81} \\ \times \end{array}$$

$$\begin{array}{r} 9 \\ 3 \overline{) 27} \\ \underline{27} \\ \times \end{array}$$

$$\begin{array}{r} 4 \\ 9 \overline{) 36} \\ \underline{36} \\ \times \end{array}$$

$$\begin{array}{r} 8 \\ 4 \overline{) 32} \\ \underline{32} \\ \times \end{array}$$

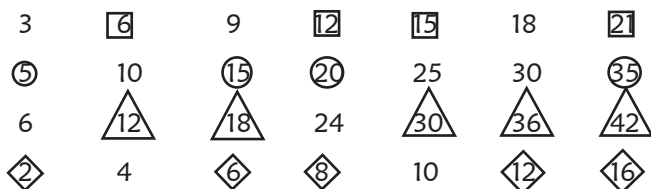
6. Do yourself

7.
$$\begin{array}{r} 9 \\ 9 \overline{) 81} \\ \underline{81} \\ \times \end{array}$$

8.
$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

Page – 131 Model Test Paper – III

1. Study the patterns and complete them:



2. Do yourself

3. Do yourself

4. Do yourself

5. Do yourself

6. (i) T ⊥ T ⊥ T ⊥ T ⊥ T ⊥ T ⊥ T ⊥ T ⊥ T ⊥

(ii) $\uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow$

(iii) $\nabla \triangle \nabla \triangle \nabla \triangle \nabla \triangle$

(iv) Z Z Z Z Z Z Z Z Z Z

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1. Count how much money are:

- (a) 8 (b) 112 (c) 80 (d) 160

2. Do yourself

3. Fill in the blanks:

- (a) Sunday (b) Sunday (c) Tuesday (d) 7 days

- 4.** (a) February (b) May (c) August (d) November

5. Do yourself

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]