



**1. Count, add and write the numbers in the boxes :**

$8 + 5 = 13$ ;       $3 + 2 = 5$ ;       $5 + 4 = 9$ ;       $4 + 3 = 7$ ;       $2 + 1 = 3$

**2. Fill in the blanks :**

151	<b>152</b>	153	<b>154</b>	155	<b>156</b>	157	<b>158</b>	159	<b>160</b>
<b>161</b>	162	<b>163</b>	164	<b>165</b>	166	<b>167</b>	168	<b>169</b>	170
171	<b>172</b>	173	<b>174</b>	175	<b>176</b>	177	<b>178</b>	179	<b>180</b>
<b>181</b>	182	<b>183</b>	184	<b>185</b>	186	<b>187</b>	188	<b>189</b>	190
191	<b>192</b>	193	<b>194</b>	195	<b>196</b>	197	<b>198</b>	199	<b>200</b>

**3. Write the numerals for the given number names :**

Thirty	30	Thirty three	33
Forty	40	Forty four	44
Forty five	45	Ninety nine	99
Seventy	70	Eighty nine	89
Eighty seven	87	Seventy five	75
Ninety	90	Fifty one	51
Seventy nine	79	Sixty seven	67
Twenty Six	26	Nineteen	19

**4. Write the number names for each numeral :**

23	Twenty Three	15	Fifteen
37	Thirty Seven	21	Twenty One
34	Thirty Four	33	Thirty Three
54	Fifty Four	44	Forty Four
46	Forty Six	55	Fifty Five
59	Fifty Nine	67	Sixty Seven
99	Ninety Nine	78	Seventy Eight
26	Twenty Six	87	Eighty Seven

**AFTER, BEFORE AND BETWEEN**

**What comes after?**

22	<b>23</b>
33	<b>34</b>
38	<b>39</b>
41	<b>42</b>
47	<b>48</b>
49	<b>50</b>
51	<b>52</b>

**What comes between?**

39	<b>40</b>	41
38	<b>39</b>	40
53	<b>54</b>	55
67	<b>68</b>	69
81	<b>82</b>	83
85	<b>86</b>	87
89	<b>90</b>	91

**What comes before?**

<b>15</b>	16
<b>27</b>	28
<b>33</b>	34
<b>51</b>	52
<b>45</b>	46
<b>53</b>	54
<b>61</b>	62

53	<b>54</b>	54	<b>55</b>	56	<b>70</b>	71
64	<b>65</b>	67	<b>68</b>	69	<b>78</b>	79
78	<b>79</b>	15	<b>16</b>	17	<b>79</b>	80
17	<b>18</b>	12	<b>13</b>	14	<b>1</b>	2
19	<b>20</b>	16	<b>17</b>	18	<b>13</b>	14
18	<b>19</b>	17	<b>18</b>	19	<b>17</b>	18
16	<b>17</b>	5	<b>6</b>	7	<b>18</b>	19
4	<b>5</b>	18	<b>19</b>	20	<b>15</b>	16
28	<b>29</b>	21	<b>22</b>	23	<b>27</b>	28
25	<b>26</b>	25	<b>26</b>	27	<b>24</b>	25

### GREATER THAN (>), LESS THAN (<) AND EQUAL TO (=)

Read the following and put the correct symbol (>, < or =) :

56 < 54	39 > 33	81 > 18
64 < 72	19 < 26	89 = 89
88 < 89	90 = 90	29 < 39
20 < 22	61 > 16	49 > 44
46 < 48	69 < 79	20 = 20
95 < 99	11 < 22	18 < 81
83 < 88	22 < 34	39 = 39
62 < 72	10 = 10	20 > 05
29 > 28	19 > 17	90 > 70
56 < 65	95 > 62	35 < 75
77 < 79	29 < 49	34 < 43
80 > 08	50 > 40	29 < 41
49 < 94	45 < 54	58 > 57
44 < 74	74 = 74	37 < 47
67 < 76	76 < 78	77 < 87
56 < 78	96 > 76	89 < 99
49 > 29	59 > 29	25 = 25

### ASCENDING ORDER

Arrange the following numerals in ascending order :

Numerals	Ascending Order	Numerals	Ascending Order
1. 13, 43, 63, 67, 55	13, 43, 55, 63, 67	2. 44, 68, 26, 76, 54	26, 44, 54, 68, 76
3. 63, 55, 47, 88, 94	47, 55, 63, 88, 94	4. 49, 34, 60, 12, 29	12, 29, 34, 49, 60
5. 63, 24, 74, 10, 15	10, 15, 24, 63, 74	6. 24, 69, 44, 19, 26	19, 24, 26, 44, 69
7. 88, 98, 78, 69, 58	58, 69, 78, 88, 98	8. 24, 69, 44, 16, 26	16, 24, 26, 44, 69
9. 17, 21, 32, 37, 41	17, 21, 32, 37, 41	10. 15, 39, 45, 45, 56	15, 39, 45, 45, 56

### DESCENDING ORDER

Arrange the following numerals in descending order :

Numerals	Descending Order	Numerals	Descending Order
1. 23, 21, 43, 45, 63	63, 45, 43, 23, 21	2. 83, 63, 71, 67, 89	89, 83, 71, 67, 63
3. 19, 21, 17, 22, 54	54, 22, 21, 19, 17	4. 16, 21, 32, 44, 66	66, 44, 32, 21, 16
5. 77, 61, 81, 91, 71	91, 81, 77, 71, 61	6. 87, 82, 65, 71, 83	87, 83, 82, 71, 65

7. 74, 73, 64, 65, 49    74, 73, 65, 64, 49    8. 18, 15, 19, 27, 34    34, 27, 19, 18, 15  
 9. 83, 81, 86, 65, 37    86, 83, 81, 65, 37    10. 56, 87, 24, 15, 99    99, 87, 56, 24, 15

### ADDITION AND SUBTRACTION

- Add the following :  
62, 90, 43, 32, 95, 145, 63, 82, 81, 78
- Subtract the following :  
34, 31, 11, 39, 10, 11, 13, 02, 61, 34, 29, 04, 15, 51, 38

#### Problem based on Addition and Subtraction

1. 90    2. 78    3. 69    4. 31    5. 25    6. 45

### MULTIPLICATION AND DIVISION

- Multiply the following :  
24, 30, 60, 45, 46, 30, 39, 36, 150, 75
- Divide the following :  
 $10 \div 2 = 5$      $18 \div 9 = 2$      $12 \div 3 = 4$      $16 \div 4 = 4$      $15 \div 3 = 5$   
 $14 \div 7 = 2$      $15 \div 5 = 3$      $28 \div 7 = 4$      $10 \div 5 = 2$
- Divide :  
8, 4, 9, 5, 8

#### Problem based on Addition and Subtraction

- $15 \times 5 = 75$  matchsticks    2.  $7 \times 3 = 21$  hours    3.  $12 \times 7 = 84$  boys
- $25 \div 5 = 5$  balls    5.  $20 \div 10 = 2$  balloons    6.  $16 \div 4 = 4$  apples
- $25 \times 5 = 125$  pencils
- What time is shown in the following clocks :  
8 : 00, 1 : 00, 6 : 00, 4 : 00, 2 : 00, 10 : 00, 5 : 00, 7 : 00, 8 : 00, 9 : 00
- Draw the arms for each clock :  
**Ans.** Do himself.

## 2 Three-digit Numbers (100 to 1000)

- Write the numbers from 101 to 200 :

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

**2. Write the numbers from 201 to 300 :**

<b>201</b>	202	<b>203</b>	204	205	206	207	208	209	210
211	<b>212</b>	213	214	215	216	217	218	219	220
221	222	<b>223</b>	224	225	226	227	228	229	230
231	232	233	<b>234</b>	235	236	237	238	239	240
241	242	243	244	<b>245</b>	246	247	248	249	250
251	252	253	254	255	<b>256</b>	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	<b>300</b>

**3. Write the numbers from 301 to 400 :**

<b>301</b>	302	<b>303</b>	304	305	306	307	308	309	310
311	<b>312</b>	313	314	315	316	317	318	319	320
321	322	<b>323</b>	324	325	326	327	328	329	330
331	332	333	<b>334</b>	335	336	337	338	339	340
341	342	343	344	<b>345</b>	346	347	348	349	350
351	352	353	354	355	<b>356</b>	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	<b>400</b>

**4. Write the numbers from 401 to 500 :**

<b>401</b>	402	<b>403</b>	404	405	406	407	408	409	410
411	<b>414</b>	413	414	415	416	417	418	419	420
421	422	<b>423</b>	424	425	426	427	428	429	430
431	432	433	<b>434</b>	435	436	437	438	439	440
441	442	443	444	<b>445</b>	446	447	448	449	450
451	452	453	454	455	<b>456</b>	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	<b>500</b>

**5. Write the number names :**

100	One hundred	405	Four hundred five
150	One hundred fifty	995	Nine hundred ninety five
250	Two hundred fifty	112	One hundred twelve
270	Two hundred seventy	650	Six hundred fifty
350	Three hundred fifty	720	Seven hundred twenty

540 Five hundred forty 420 Four hundred twenty  
 448 Four hundred forty eight 389 Three hundred eighty nine

6. Write the numbers :

<b>H</b>	<b>T</b>	<b>O</b>	<b>H</b>	<b>T</b>	<b>O</b>	<b>H</b>	<b>T</b>	<b>O</b>
5	3	0	2	3	5	3	4	0
4	5	4	6	3	3	7	2	9
3	1	8	9	7	7	8	3	9
9	2	7						

7. Expand the following :

**2** Hundreds + **3** Tens + **1** One      **6** Hundreds + **5** Tens + **1** One  
**7** Hundreds + **4** Tens + **3** One      **4** Hundreds + **5** Tens + **6** One  
**8** Hundreds + **7** Tens + **9** One      **7** Hundreds + **0** Tens + **5** One  
**6** Hundreds + **7** Tens + **9** One      **3** Hundreds + **5** Tens + **2** One

8. Count backward and fill in the missing numbers :

188	187	186	185	184	183	182	181	180
273	272	271	270	269	268	267	266	265
541	540	539	538	537	536	535	534	533
374	373	372	371	370	369	368	367	366
254	253	252	251	250	249	248	247	246
850	849	848	847	846	845	844	843	842
975	974	973	972	971	970	969	968	967

9. Fill in the blanks :

<b>Before</b>		<b>Between</b>			<b>After</b>	
7	8	14	15	16	68	69
<b>15</b>	16	89	<b>90</b>	91	88	<b>89</b>
<b>13</b>	12	65	<b>66</b>	67	77	<b>76</b>
<b>84</b>	85	20	<b>21</b>	22	44	<b>45</b>
<b>64</b>	65	39	<b>40</b>	41	32	<b>33</b>

10. Fill in the blanks :

(a) 8 (b) 6 (c) 5 (d) 7 (e) 0 (f) 0 (g) 9

11. Write the biggest number in the boxes given :

**Ans.** 369, 548, 119, 149, 666, 811

12. Write the smallest number in the boxes given :

**Ans.** 269, 547, 111, 127, 656, 181

### Comparing of Numbers

1. Write >, < or = in boxes :

866	>	735	381	>	288	545	>	470
340	>	245	945	>	867	263	<	363
601	<	614	201	>	200	129	<	291
213	<	214	175	=	175	401	>	104
999	=	999	275	<	725	901	<	981

2. Word problems :

- (a) 654                      (b) 347                      (c) 999                      (d) 100

3. Write each of the following numbers in ascending order :

- 125, 199, 210, 412, 425, 428, 526, 625      230, 575, 620, 630, 810, 855, 955, 985  
 148, 207, 289, 388, 418, 702, 838, 928      100, 200, 300, 400, 500, 700, 800, 900  
 156, 256, 356, 556, 656, 756, 856, 956

4. Write each of the following numbers in descending order :

- 815, 625, 512, 428, 425, 310, 248, 125      891, 761, 671, 631, 613, 312, 213, 163  
 878, 877, 874, 788, 784, 733, 487, 373      817, 678, 548, 456, 418, 345, 219, 218  
 917, 915, 640, 545, 425, 388, 275, 213

**Odd and Even Numbers**

1. Write all odd numbers between 10 to 50 :

- 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45  
 47 48

2. Write all even numbers between 50 to 90 :

- 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88

**Formative Assessment-1**

1. Complete the number grid :

<b>101</b>	102	103	104	105	106	107	108	109	110
<b>201</b>	202	203	204	205	206	207	208	209	210
<b>301</b>	302	303	304	305	306	307	308	309	310
<b>401</b>	402	403	404	405	406	407	408	409	410
<b>501</b>	502	503	504	505	506	507	508	509	510
<b>601</b>	602	603	604	605	606	607	608	609	610
<b>701</b>	702	703	704	705	706	707	708	709	710
<b>801</b>	802	803	804	805	806	807	808	809	810
<b>901</b>	902	903	904	905	906	907	908	909	910

2. Write the number names :

- (a) 104      One hundred four                      (b) 210      Two hundred ten  
 (c) 327      Three hundred twenty seven              (d) 445      Four hundred forty five  
 (e) 560      Five hundred sixty                              (f) 667      Six hundred sixty seven  
 (g) 721      Seven hundred twenty one                      (h) 822      Eight hundred twenty two  
 (i) 923      Nine hundred twenty three

3. Fill in the blanks :

<b>Before</b>		<b>Between</b>			<b>After</b>	
7	8	14	15	16	68	69
<b>15</b>	16	89	<b>90</b>	91	88	<b>89</b>
<b>13</b>	12	65	<b>66</b>	67	77	<b>76</b>
<b>84</b>	85	20	<b>21</b>	22	44	<b>45</b>
<b>64</b>	65	39	<b>40</b>	41	32	<b>33</b>

4. Write the biggest number in the boxes :  
119, 198, 149, 172, 666, 516
5. Word problems :  
(a) 985      (b) 256      (c) 329      (d) 999

# 3

# Addition

1. Add and give the name of the number :  
6, Six    4, Four      9, Nine      12, Twelve
2. Add :  
16, 50, 29, 52, 18, 50, 33, 68, 53, 61, 38, 49, 28, 53
3. Add as shown in the example :  
 $46 + 33 = 79$        $63 + 24 = 87$        $56 + 33 = 89$
4. Add the following numbers with the help of number line :  
 $8 + 4 = 12$        $3 + 9 = 12$        $6 + 8 = 14$   
 $10 + 4 = 14$        $11 + 5 = 16$        $8 + 6 = 16$

## PROPERTIES OF ADDITION

1. Add the following :  
**Ans.** 15, 16, 17, 17, 19, 16, 9
2. Look at the example carefully and complete the additions :  
**Ans.** 17, 14, 11, 10, 12, 16, 17, 14, 8
3. Solve these problems :  
(a) 69    (b) 91 stamps    (c) 68 pupils    (d) 97 runs    (e) 97 marks

## MORE ABOUT ADDING 2-DIGIT NUMBERS

1. Add the following :  
92, 87, 92, 41, 93, 44, 115, 71, 53, 61, 45, 90, 90, 75, 72, 80, 91, 93, 83, 90

## ADDING MORE THAN 2 NUMBERS

2. Add the following :  
686, 857, 824, 1088, 858, 666, 997, 898, 887, 959, 889, 999, 669, 798, 756
3. Add the following numbers by carrying over :  
844, 798, 982, 1006, 1014, 959, 1427, 925, 773, 997, 1165, 645, 726, 1044, 595, 443, 897, 1672, 1322, 1445
4. Add by carrying over :  
(a) 543      (b) 583      (c) 924      (d) 863      (e) 1005      (f) 961  
(g) 946      (h) 773      (i) 910      (j) 802      (k) 706      (l) 831
5. Solve these addition problems by carrying over :  
(a) 866      (b) 912      (c) 1355      (d) 1139      (e) 797      (f) 825

1. Now subtract with the help of number lines :

$$\begin{array}{r} 9 - 2 = 7 \\ 14 - 9 = 5 \end{array} \quad \begin{array}{r} 13 - 5 = 8 \\ 15 - 5 = 10 \end{array} \quad \begin{array}{r} 16 - 11 = 5 \end{array}$$

2. Count and subtract as directed and write the answer in the boxes :

$$\begin{array}{l} 15 - 2 = \mathbf{13} \\ 85 - 2 = \mathbf{83} \\ 68 - 5 = \mathbf{63} \end{array} \quad \begin{array}{l} 72 - 2 = \mathbf{70} \\ 46 - 5 = \mathbf{41} \\ 93 - 5 = \mathbf{88} \end{array} \quad \begin{array}{l} 46 - 2 = \mathbf{44} \\ 8 - 5 = \mathbf{3} \\ 76 - 5 = \mathbf{71} \end{array} \quad \begin{array}{l} 65 - 2 = \mathbf{63} \\ 68 - 5 = \mathbf{63} \end{array} \quad \begin{array}{l} 94 - 2 = \mathbf{92} \\ 55 - 5 = \mathbf{50} \end{array}$$

3. Subtract :

30, 30, 40, 40, 40, 70, 00, 20, 50, 10, 10, 00

4. Subtract the following :

(a) 13      (b) 10      (c) 28      (d) 21      (e) 4      (f) 11

### ADDITION AND SUBTRACTION AS INVERSE OPERATIONS

1. Fill in the blanks and complete these inverse operations :

$$\begin{array}{l} 10 + 5 = \mathbf{15} \\ 17 - 11 = \mathbf{6} \\ 18 + 9 = \mathbf{27} \\ \mathbf{23} - 17 = \mathbf{6} \end{array} \quad \begin{array}{l} 15 - 5 = \mathbf{10} \\ 14 + 8 = \mathbf{22} \\ \mathbf{27} - 18 = \mathbf{9} \end{array} \quad \begin{array}{l} 11 + 6 = \mathbf{17} \\ \mathbf{22} - 8 = \mathbf{14} \\ 17 + 6 = \mathbf{23} \end{array}$$

2. Write an inverse operation for each of these subtractions :

$$\begin{array}{lll} \text{(a)} \ 14 - 9 = 5 & \text{(b)} \ 15 - 10 = 5 & \text{(c)} \ 17 - 11 = 6 \\ \text{(d)} \ 22 - 2 = 20 & \text{(e)} \ 31 - 20 = 11 & \text{(f)} \ 58 - 24 = 34 \\ \text{(g)} \ 95 - 40 = 55 & \text{(h)} \ 75 - 50 = 25 & \text{(i)} \ 52 - 32 = 20 \\ \text{(j)} \ 39 - 14 = 25 & \text{(k)} \ 86 - 16 = 70 & \text{(l)} \ 90 - 15 = 75 \end{array}$$

Fill in the blanks :

$$\begin{array}{lll} 20 - 0 = \mathbf{20} & 18 - \mathbf{18} = 0 & 9 - \mathbf{0} = 9 \\ \mathbf{5} - 5 = 0 & 8 - \mathbf{8} = 0 & \mathbf{90} - 0 = 90 \\ 25 - \mathbf{25} = 0 & 42 - \mathbf{42} = 0 & 36 - \mathbf{0} = 36 \\ 44 - \mathbf{0} = 44 & 13 - \mathbf{0} = 13 & 9 - \mathbf{0} = 9 \end{array}$$

### SUBTRACTION WITH THREE-DIGIT NUMBERS

1. Subtract the following :

311, 432, 200, 302, 310, 200, 311, 520, 501, 424, 513, 450, 453, 341, 356

2. Do these subtractions :

(a) 558      (b) 432      (c) 342      (d) 44      (e) 23      (f) 300      (g) 200      (h) 511

### MORE ABOUT SUBTRACTING 2-DIGIT NUMBERS (BORROWING)

1. Do the following subtractions by borrowing :

59, 10, 38, 26, 41, 48, 67, 17, 36, 46, 8, 41, 27, 39, 38, 48, 19, 1

2. Subtract the following

(a) 55      (b) 37      (c) 29      (d) 8      (e) 7      (f) 25      (g) 14      (h) 48

3. Solve these subtraction problems :

(a) 18      (b) 20      (c) 35      (d) 09      (e) 221      (f) 312



## MORE ABOUT SUBTRACTING 3-DIGIT NUMBERS (BORROWINGS)

- Subtract the following :  
311, 756, 420, 68, 830, 187, 81, 40, 169, 650, 355, 69, 618, 310, 576
- Subtract the following :  
(a) 185      (b) 209      (c) 158      (d) 429      (e) 219      (f) 357  
(g) 331      (h) 018      (i) 182      (j) 175      (k) 158      (l) 400
- Solve these problems :  
(a) 74      (b) 291      (c) 625      (d) 290      (e) 290      (f) 598

## NUMBER PUZZLES

**Ans.** Do himself

## FORMATIVE ASSESSMENT-2

- Add the following :  
 $3 + 4$  is same as  $4 + 3 = 7$   
 $8 + 4$  is same as  $4 + 8 = 12$   
 $6 + 3$  is same as  $3 + 6 = 9$
- Add on the number line :  
 $9 + 4 = 13$        $5 + 4 = 9$        $6 + 5 = 11$
- Fill in the blanks :  
 $98 + 22 = 120$        $82 + 37 = 119$        $43 + 27 = 70$   
 $57 + 48 = 105$        $98 + 52 = 150$        $28 + 42 = 70$
- Subtract the following :  
 $47 - 13 = 34$        $69 - 16 = 53$        $78 - 27 = 51$   
 $55 - 25 = 30$        $45 - 23 = 22$        $38 - 27 = 11$   
 $38 - 29 = 9$        $25 - 12 = 13$
- Subtract on the number line :  
 $11 - 7 = 4$        $12 - 9 = 3$        $7 - 6 = 1$        $11 - 8 = 3$        $12 - 7 = 5$
- Problems based on addition :  
(a) 754 students      (b) 688 total population
- Problems based on subtraction :  
(a) 939      (b) 361

## SUMMATIVE ASSESSMENT-1

- Write in digit :  
Sixty-eight = 68      Forty-nine = 49      Ninety-one = 91  
Nineteen = 19      Seventy-six = 76      Thirty-four = 34
- Write the greatest number in the box :  
42, 36, 72, 18      **72**      56, 42, 23, 8      **56**      25, 18, 80, 71      **80**  
10, 36, 68, 24      **68**      13, 9, 46, 38      **46**      42, 40, 50, 32      **50**
- Write the following numbers in descending order :  
83, 51, 49, 42, 19      76, 63, 58, 17, 9  
64, 63, 58, 49, 6      43, 28, 28, 16
- Use the symbols '>', '<' or '=' :  
 $42 < 56$        $100 > 99$        $66 = 66$        $53 = 53$        $26 > 19$   
 $72 < 78$        $92 > 91$        $38 < 49$        $80 < 81$

5. Write in tens and ones :

43 = 4 tens and 3 ones

30 = 3 tens

96 = 9 tens and 6 ones

38 = 3 tens and 8 ones

58 = 5 tens and 8 ones

92 = 9 tens and 2 ones

6. Write in words :

39 = Thirty nine

100 = Hundred

46 = Forty six

57 = Fifty seven

99 = Ninety nine

19 = Nineteen

7. Add the following :

39, 88, 98, 96, 132

8. Subtract the following :

55, 34, 23, 29, 8

9. 44 Kg

10. 15 Passengers

# 5

# Multiplication

Fill in the blanks :

1.  $15 \rightarrow 5 \times 3 = 15$

2.  $18 \rightarrow 3 \times 6 = 18$

3.  $21 \rightarrow 7 \times 3 = 21$

4.  $14 \rightarrow 2 \times 7 = 14$

5.  $48 \rightarrow 8 \times 6 = 48$

6.  $12 \rightarrow 4 \times 3 = 12$

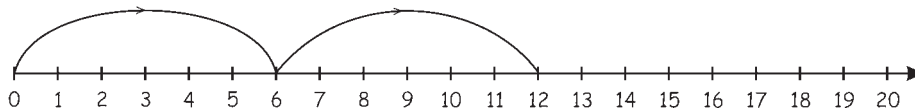
7.  $8 \rightarrow 2 \times 4 = 8$

8.  $18 \rightarrow 6 \times 3 = 18$

## MULTIPLICATION WITH THE HELP OF THE NUMBER LINE

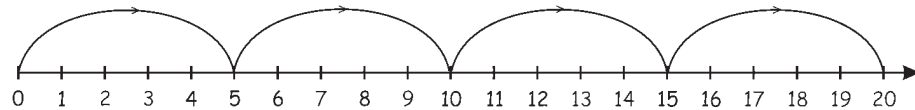
Multiply  $6 \times 2$

$6 \times 2 = 12$



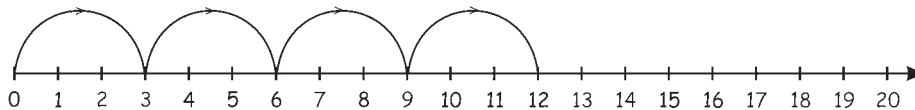
Multiply  $5 \times 4$

$5 \times 4 = 20$



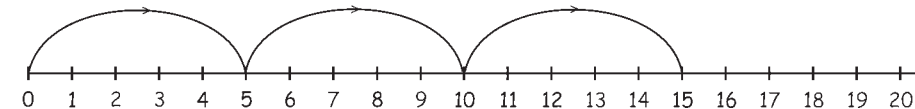
Multiply  $3 \times 4$

$3 \times 4 = 12$



Multiply  $5 \times 3$

$5 \times 3 = 15$



## PROPERTIES OF MULTIPLICATION

**Multiply the following :**

15, 18, 56, 20, 21, 18, 3, 14, 35, 14, 48, 10, 32, 35, 45, 18, 36, 63, 21, 45, 10, 64, 24, 20

### Activity

1. In each ring, skip numbers by the number indicates. The first two numbers in series are done for you :

**Ans.** Do himself.

### MULTIPLICATION OF A TWO-DIGIT NUMBER BY ONE-DIGIT NUMBER (WITHOUT CARRYING)

**Multiply the following :**

40, 99, 40, 96, 90, 90, 80, 38, 40, 55, 80, 28, 88, 96, 80, 36, 63, 60, 68, 24, 93, 28, 90, 32, 40, 93, 84, 44, 55, 66

### MULTIPLICATION OF A THREE-DIGIT NUMBER BY A ONE-DIGIT NUMBER (WITHOUT CARRYING)

**Multiply the following :**

888, 484, 468, 488, 648, 446, 786, 642, 666, 842, 462, 522, 468, 396, 288, 666, 666, 666, 690, 108

### MULTIPLICATION OF A TWO-DIGIT NUMBER BY A ONE-DIGIT NUMBER (WITH CARRYING)

**Multiply the following :**

172, 282, 162, 315, 372, 225, 370, 195, 322, 296, 470, 774, 576, 336, 152, 192, 190, 376

### MULTIPLICATION OF A THREE-DIGIT NUMBER BY A ONE-DIGIT NUMBER (WITH CARRYING)

**Multiply the following :**

1072, 1561, 789, 1475, 2630, 924, 1274, 370, 3376, 2120, 450, 492, 687, 1230, 1216, 620, 832, 878, 1616, 2842

1. Write multiplication facts for each :

(a)  $3 \times 7 = 21$  (b)  $3 \times 5 = 15$  (c)  $3 \times 2 = 6$   
(d)  $4 \times 8 = 32$  (e)  $4 \times 3 = 12$  (f)  $4 \times 3 = 28$

2. Tick (✓) the correct and cross (✗) the false statements :

(a) ✗ (b) ✓ (c) ✗ (d) ✓ (e) ✗ (f) ✓  
(g) ✓ (h) ✗

3. Solve these problems :

(a) 132 (b) 525 (c) 121 (d) 700 (e) 1080 (f) 1025

## 6

## Division

**Divide the following :**

$6 \div 2 = 3$   
 $24 \div 4 = 6$   
 $27 \div 9 = 3$   
 $6 \div 3 = 2$

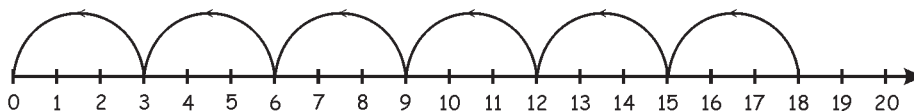
$15 \div 3 = 5$   
 $20 \div 5 = 4$   
 $14 \div 7 = 2$   
 $16 \div 2 = 8$

$9 \div 3 = 3$   
 $10 \div 5 = 2$   
 $16 \div 4 = 4$   
 $25 \div 5 = 5$

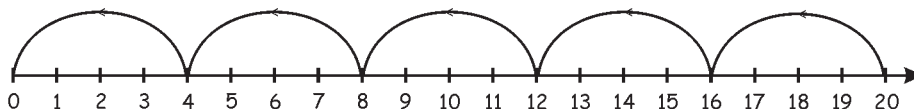
## DIVISION BY USING THE NUMBER LINE

Now, do these divisions with the help of number lines :

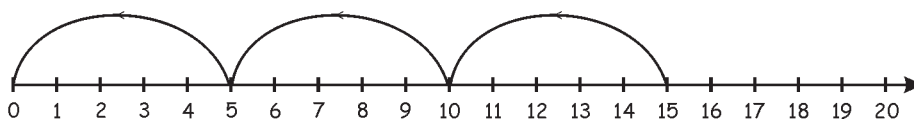
(a) Divide :  $18 \div 3 = 6$



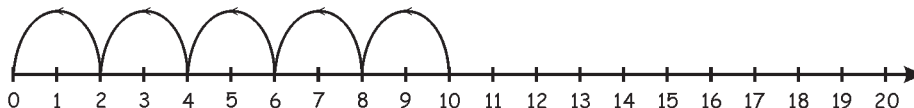
(b) Divide :  $20 \div 4 = 5$



(c) Divide :  $15 \div 5 = 3$



(d) Divide :  $10 \div 2 = 5$



Rewrite these multiplication on division problems :

$$27 \div 9 = 3 \qquad 56 \div 7 = 8 \qquad 25 \div 5 = 5$$

$$30 \div 6 = 5 \qquad 36 \div 9 = 4$$

Divide the following :

Ans. 4, 6, 9, 5, 7, 4, 4, 5, 8, 3, 3, 6, 7, 6, 7

### ABOUT REMAINDER

1. Divide the following :

Ans. 8 is Quotient, 1 is Remainder 9 is Quotient, 2 is Remainder 6 is Quotient, 1 is Remainder 6 is Quotient, 1 is Remainder 6 is Quotient, 1 is Remainder	5 is Quotient, 5 is Remainder 9 is Quotient, 3 is Remainder 9 is Quotient, 3 is Remainder 7 is Quotient, 2 is Remainder 8 is Quotient, 1 is Remainder
--	---

2. Solve these problems :

(a) 6      (b) 4      (c) 5      (d) 9      (e) 8      (f) 7

### FORMATIVE ASSESSMENT-3

1. Change the following addition into multiplication form and write the answer :

$3 + 3 + 3 + 3 = 12$	$3 \times 4 = 12$
$9 + 9 + 9 + 9 = 36$	$9 \times 4 = 36$
$5 + 5 + 5 = 15$	$5 \times 3 = 15$
$8 + 8 + 8 + 8 + 8 = 40$	$8 \times 5 = 40$

2. Change the following multiplication into addition form and write the answer :  
 $3 + 3 + 3 + 3 = 12$      $8 + 8 + 8 + 8 = 24$      $7 + 7 + 7 = 21$      $9 + 9 + 9 + 9 = 36$
3. Fill in the blanks :  
**Ans.** 56, 27, 45, 70, 28, 60, 32, 40, 54, 35, 40, 36, 30, 20, 5, 12, 36, 49
4. Find the quotient and remainder :  
 (a) Quotient = 163 Remainder = 5                      (b) Quotient = 215 Remainder = 0  
 (c) Quotient = 53 Remainder = 5                      (d) Quotient = 72 Remainder = 6  
 (e) Quotient = 164 Remainder = 4                      (f) Quotient = 126 Remainder = 4  
 (g) Quotient = 53 Remainder = 5                      (h) Quotient = 11 Remainder = 0
5. Problems based on division :  
 (a) 24    (b) 8

# 7

## Indian Currency

1. Find the value of each set of coins :  
**Ans.** 25 paise, 80 paise, 85 paise, 135 paise, 80 paise
2. Each of these sets of coins equals 1 rupee. Count the coins and complete the values :  
 $\text{₹ } 1 = 2 \quad 50 \text{ paise coins}$                        $\text{₹ } 1 = 4 \quad 25 \text{ paise coins}$   
 $\text{₹ } 1 = 5 \quad 20 \text{ paise coins}$                        $\text{₹ } 1 = 10 \quad 10 \text{ paise coins}$

### EXERCISE

1. Complete the following statements :  
 (a) 1 rupee and 50 paise    (b) 1 rupee and 00 paise    (c) 3 rupee and 55 paise  
 (d) 2 rupee and 40 paise    (e) 0 rupee and 80 paise
2. Fill in the blanks correctly :  
 (a) ₹ 3.30    (b) ₹ 7.85    (c) ₹ 16.45    (d) ₹ 45.30    (e) ₹ 25.65    (f) ₹ 0.75
3. Fill in the blanks :  
 (a) 5    (b) 5    (c) 5    (d) 3    (e) 5

### NOTES OF DIFFERENT DENOMINATION

1. Fill in the values in the following statements correctly?  
**Ans.** 10, 2, 10, 4, 10, 50, 25, 10, 5, 100, 50, 20, 10, 5, 2
2. Fill in the blanks :  
**Ans.** 2, 1, 1, 2, 3, 50, 8, 1

### ADDING RUPEES AND PAISE

1. Add the following :  
 75 paise, 95 paise, 95 paise, 92 paise
2. Add these :  
 (a) 55 paise                      (b) 305 paise                      (c) 655 paise                      (d) 85 paise  
 (e) 647 paise                      (f) 115 paise

### SUBTRACTING RUPEES AND PAISE

1. Subtract :  
**Ans.** 50 paise, 55 rupees, 128 rupees, 8 paise
2. Subtract the following :  
 (a) 89 rupees    (b) 519 rupees                      (c) 378 rupees                      (d) 255 rupees  
 (e) 35 rupees    (f) 300 rupees

3. Subtract the following. Follow the example :

**Ans.** 254.35, 223.35, 254.4, 314.15, 311.35, 502.55, 365.1, 54.05

4. Solve these problems :

(a) ₹ 140 (b) ₹ 200.50 (c) ₹ 207.20 (d) ₹ 36.40 (e) ₹ 15 (f) ₹ 590.50

## 8

## Measurement

1. Convert the following into centimetres :

7 m 6 cm = **706 cm**    85 m = **8500 cm**    6 m 8 cm = **608 cm**    75 m = **7500 cm**  
6 m 7 cm = **607 cm**    7 m = **8700 cm**    8 m 9 cm = **809 cm**    125 m = **12500 cm**

2. Convert the following into metres :

507 cm = 5.07 m    575 cm = 5.75 m    874 cm = 8.74 m    170 cm = 1.70 m  
218 cm = 2.18 m    265 cm = 2.65 m    915 cm = 9.15 m    1620 cm = 16.20 m

3. Find the length of given objects with the help of a ruler :

7.2 cm, 4.3 cm, 6.6 cm, 2.2 cm

### ADDITION OF METRES AND CENTIMETRES

**Add the following :**

(a) 1311 (b) 1390 (c) 1673 (d) 1320 (e) 1582 (f) 1000  
(g) 975 (h) 1255

### SUBTRACTION OF METRES AND CENTIMETRES

**Subtract the following :**

(a) 307 (b) 202 (c) 108 (d) 334 (e) 119 (f) 442  
(g) 508 (h) 134

**Words Problems :**

(a) 179 m (b) 602 m 31 cm (c) 1375 m 33 cm (d) 10 m  
(e) 27 m (f) 14 m 32cm (g) 185 metre

### MEASUREMENT OF WEIGHT

**Observe carefully and tick (✓) the objects which are lighter :**

**Ans.** Do himself

### ADDITION OF KILOGRAMS AND GRAMS

**Add the following :**

(a) 143 kg (b) 112 kg (c) 159 kg (d) 14 kg 221 g  
(e) 7 kg 33g (f) 6 kg 25g (g) 131 kg 407g (i) 122 kg 507g

### SUBTRACTION OF KILOGRAMS AND GRAMS

**Subtract the following :**

(a) 6 kg 191 g (b) 1 kg 103 g (c) 1 kg 181 g (d) 3kg 11 g  
(e) 1 kg 212 g (f) 3 kg023 g (g) 38 kg 023 g (h) 42 kg 13 g

**Words Problems :**

(a) 261 kg 658 g (b) 232 kg (c) 15 kg 7g (d) 20 kg 38g  
(e) 360 kg (f) 249 kg 678g

### MEASUREMENT OF CAPACITY

**Add the following :**

(a) 700 ml (b) 244 l 901 ml

## ADDITION OF LITRES AND MILLILITRES

Add the following :

- (a) 138 l 763 ml      (b) 46 l 694 ml      (c) 190 l 23 ml      (d) 575 l 114 ml  
(e) 741 l 541 ml      (f) 1500 l 304 ml      (g) 1004 l 437 ml      (h) 1441 l 448 ml

## SUBTRACTION OF LITRES AND MILLILITRES

Subtract the following :

- (a) 703 l 168 ml      (b) 360 l 161 ml      (c) 59 l 151 ml      (d) 266 l 24 ml  
(e) 188 l 037 ml      (f) 333 l 12 ml      (g) 78 l 349 ml      (h) 3 l 064 ml

Word Problems

- (a) 132 l      (b) 598 l      (c) 179 l 61 ml      (d) 7011 l  
(e) 160 ml      (f) 22 l 07 ml

# 9

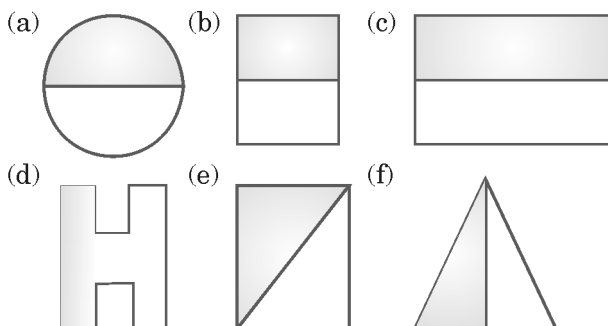
## Measuring of Time

- Read the time on the clock and fill in the blanks :  
Abhi gets up in the morning at **6 : 00** o' clock.  
Shivi takes her breakfast at **7 : 00** o'clock.  
Gaurav goes to school at **8 : 00** o' clock.  
Nidhi takes her lunch at **12 : 00** o' clock.
- Observe the time shown on each of the following clock faces carefully and then fill in the boxes :  
6 : 00, 8 : 00, 7 : 00, 9 : 00, 4 : 00
- Look at the clock face and fill in the blanks :  
The minute hand is at **6**.  
The hour hand is between **1** and **3**.  
The time is **2 : 30**.  
We write this as **2 : 30**.

# 10

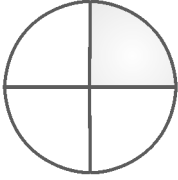
## Fractional Numbers

- Colour with pencil the shapes to show  $\frac{1}{2}$  :

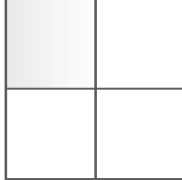


2. Colour with shapes to show in the following pictures :

(a)



(b)



### MORE FRACTIONS

Fill the shaded part and unshaded part of these fractions :

Ans.  $\frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}, \frac{1}{10}$

## 11

## Geometrical Shapes

Identify the different shapes of the clocks and count the corners.



Rectangle  
4 Corners



Square  
4 Corners



Triangle  
3 Corners



Circle  
No Corners

Fill in the blanks :

1. 6, 3, 2, 1    2. 12, 2, 0, 1    3. 8, 0, 0, 1    4. 2    5. 1    6. 1

7. 1    8. 0    9. cuboid

10. (a) Dice    (b) Football    (c) Pencil, Container    (d) Brick, Biscuit Packet

11. (a) False    (b) True    (c) False

## 12

## Pattern

1. Study the pattern and fill in the blanks :

Ans. 25, 9, 11111, 27, 68, 5, 20, 15, 30, 45, 20, 21, 55, 18, 112

2. Study the pattern in the following addition of consecutive numbers. Find the rule for the addition :

Ans. Multiplication Pattern





3. Study the pattern in each of the following and find the rule. Using the rule write the next numbers :

16	Number pattern	15	Multiplication Pattern
35	Multiplication Pattern	21	Number pattern
43	Multiplication Pattern	21	Number pattern
15	Table Pattern		





1. Draw the pictograph for the following data :

Ans. 10 boys = 1 boy

Cricket	
Football	
Hockey	
Badminton	

2. Draw the pictograph for the following data :

Ans. 10 Viewers = 1 viewer

Cricket	
Football	
Hockey	
Badminton	

**FORMATIVE ASSISSMENT-4**

1. Write in rupees and paise :

- 75 Paise                                      11Rupees                      20 Paise                      13 Rupees and 1 Paise
- One Rupees and 2 Paise              Fourteen Rupees              Two Rupees                      11 Rupees and 11 Paise

2. Fill in the blanks :

₹ 02·80, ₹ 01·90, ₹ 12·25, ₹ 21·37, ₹ 40·55

3. Write the following in words :

- ₹ 314.58 = Three hundred fourteen rupees and fifty eight paise
- ₹ 517.20 = Five hundred seventeen rupees and twenty paise
- ₹ 719.60 = Seven hundred nineteen rupees and sixty paise
- ₹ 1208.20= Twelve hundred eight rupees and twenty paise

4. Find the length of given object :

**Ans.** 5.5 cm, 4 cm

5. Convert the following into metres :

$218 \text{ cm} = 2.18 \text{ m}$

$265 \text{ cm} = 2.65 \text{ m}$

$915 \text{ cm} = 9.15 \text{ m}$

$620 \text{ cm} = 6.20 \text{ m}$

$607 \text{ cm} = 6.07 \text{ m}$

$275 \text{ cm} = 2.75 \text{ m}$

$874 \text{ cm} = 8.74 \text{ m}$

$170 \text{ cm} = 1.70 \text{ m}$

6. Problems based on measurement :

(a) 602 m 31 cm      (b) 320 ml

7. Write the time in minutes :

08 : 30, 05 : 55, 05 : 30, 04 : 30, 06 : 10

8. Make the hands on the dial of each clock :

**Ans.** Do himself.

### Summative Assessment-2

1. Multiply :

$4 \times 5 = 20$

$7 \times 7 = 49$

$2 \times 9 = 18$

$3 \times 7 = 21$

$8 \times 9 = 72$

$5 \times 5 = 25$

$8 \times 6 = 48$

$9 \times 10 = 90$

$6 \times 6 = 36$

2. Fill in the blanks :

$3 \times 6 = 18$

$9 \times 9 = 81$

$7 \times 7 = 49$

$9 \times 2 = 18$

$6 \times 9 = 54$

$5 \times 9 = 45$

$7 \times 3 = 21$

$6 \times 5 = 30$

$8 \times 9 = 72$

3. Write the multiplication table of 6 and 8.

$6 \times 1 = 6$

$8 \times 1 = 8$

$6 \times 2 = 12$

$8 \times 2 = 16$

$6 \times 3 = 18$

$8 \times 3 = 24$

$6 \times 4 = 24$

$8 \times 4 = 32$

$6 \times 5 = 30$

$8 \times 5 = 40$

$6 \times 6 = 36$

$8 \times 6 = 48$

$6 \times 7 = 42$

$8 \times 7 = 56$

$6 \times 8 = 48$

$8 \times 8 = 64$

$6 \times 9 = 54$

$8 \times 9 = 72$

$6 \times 10 = 60$

$8 \times 10 = 80$

4. Divide :

$12 \div 3 = 4$

$28 \div 7 = 4$

$72 \div 9 = 8$

$36 \div 9 = 4$

$25 \div 5 = 5$

$81 \div 9 = 9$

$90 \div 10 = 90$

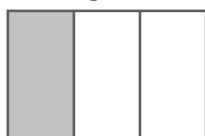
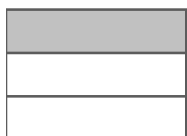
$42 \div 7 = 6$

$14 \div 2 = 7$

5. Fill in the blanks :

$\frac{1}{5}$  of 20 = 4

6. Colour one third of each figure :



7. Write the fraction of the shaded part in each form :

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

8. Write the shapes of each object given below :

Cylinder, Sphere, Cuboid, Conical

9. Write the months of the year.

January	February	March	April	May	June
July	August	September	October	November	December

10. Study the pattern and fill in the blanks :

68, 20, 15

