

3

TOUCHPAD

Mathematics

Ver. 1.0 

Answer Key

Chapter 2: Addition

Exercise 2A

1. a. 127 b. 61 c. 56 d. 78 e. 87 f. 68
 2. a. 52 b. 59 c. 87 d. 64 e. 39 f. 97

Exercise 2B

1. a. 562 b. 849 c. 569 d. 646 e. 806 f. 877
 g. 675 h. 985
 2. a. 753 b. 774 c. 888 d. 456 e. 437 f. 755
 g. 334 h. 524 i. 1396 j. 1144 k. 1212 l. 1241
 3. a. 779 b. 623 c. 854 d. 1030 e. 462 f. 1113

Exercise 2C

1. a. 3879 b. 7999 c. 7668 d. 6955
 2. a. 7899 b. 5960 c. 9878 d. 4699
 3. a. 4726 b. 8377 c. 3322 d. 9878 e. 4699 f. 8872
 g. 4287 h. 5966 i. 9999 j. 8788 k. 2743 l. 8755
 m. 5287 n. 5688 o. 8473

Exercise 2D

1. a. 6891 b. 9014 c. 8018 d. 7951 e. 9324 f. 7561
 g. 8567 h. 9697
 2. a. 9449 b. 6125 c. 8561 d. 6040 e. 5539 f. 7383
 g. 6726 h. 4172 i. 7409 j. 6783 k. 6368 l. 6420
 m. 5863 n. 5208 o. 9722
 3. a. 56 b. 36 c. 0 d. 2386 e. 569 f. 1
 g. 1 h. 1
 4. a. 92 b. 573 c. 3659 d. 272 e. 2140 f. 6643
 5. a. 10 b. 10 c. 10 d. 100 e. 100 f. 100
 g. 1000 h. 1000
 6. a. M b. O c. A d. E e. I f. T
 g. S h. H i. L j. V; I LOVE MATHS

Exercise 2E

2. 94, 90; Actual > Estimated 3. 101, 110; Actual < Estimated
 4. 97, 100; Actual < Estimated 5. 83, 80; Actual > Estimated
 6. 94, 100; Actual < Estimated

Exercise 2F

1. 1371 bags 2. 1714 fruits 3. 6304 visitors
 4. 8931 books 5. 7284 animals 6. 7464 trees
 7. 6771 bottles 8. 7765 kg

Learning Logs

1. a. 571 b. 1418 c. 9377 d. 3777
 2. a. 1225 b. 1016 c. 2141 d. 3749 e. 9980 f. 6556
 g. 4587 h. 8483

3. a.
$$\begin{array}{r} 2953 \\ + 3214 \\ \hline 6167 \end{array}$$
 b.
$$\begin{array}{r} 2384 \\ + 2807 \\ \hline 5191 \end{array}$$

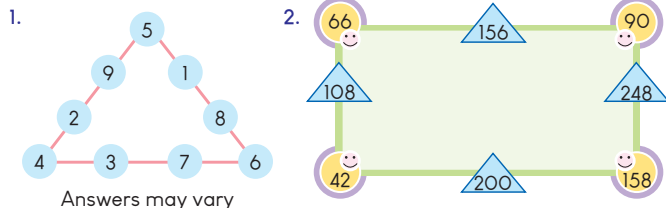
c.
$$\begin{array}{r} 1365 \\ + 5435 \\ \hline 6800 \end{array}$$
 d.
$$\begin{array}{r} 2413 \\ + 4589 \\ \hline 7002 \end{array}$$

4. a. ₹9190 b. 3166 trees
 c. 9743 chocolates d. 9508 tickets
 5. i. 4010 ii. 4050

Mental Maths

1. a. iii. b. iii.
 3000 + 100 + 24, 1500 + 1624, 3000 + 124, 1000 + 1000 + 1100 + 24

HOTS



Puzzle

1. 2. Not possible

Chapter 3: Subtraction

Warm Up

1. a. 9 b. 76 c. 22
 2. 9 polybags 3. 76 paper plates 4. 22 napkins

Exercise 3A

1. a. 27 b. 62 c. 32 d. 18 e. 26 f. 22
 2. a. 21 b. 35 c. 51 d. 39 e. 38 f. 32
 3. a. 13 b. 73 c. 42 d. 72 e. 34 f. 31
 4. $84 - 42 = 42$ (Answer may vary).

Exercise 3B

1. a. 124 b. 153 c. 505 d. 366
 2. a. 329 b. 322 c. 614 d. 425
 3. a. 462 b. 382 c. 363 d. 186
 4. a. 257 b. 319 c. 178 d. 288
 5. a. 106 b. 412 c. 145 d. 256

Exercise 3C

1. a. 3214 b. 2003 c. 2118 d. 3530 e. 1221 f. 1425
 g. 4032 h. 1
 2. a. 2111 b. 3240 c. 5721 d. 5251 e. 6020 f. 7820
 g. 3311 h. 2001

Exercise 3D

1. a. 2676 b. 3087 c. 5629 d. 1901 e. 2401 f. 1689
 g. 829 h. 1531
 2. a. 2284 b. 2198 c. 2550 d. 1673 e. 3780 f. 2209
 g. 4582 h. 4032
 3. a. 273 b. 0 c. 7364 d. 574 e. 1 f. 277
 4. a. 415 b. 886 c. 467 d. 4264 e. 1645 f. 4730

Exercise 3E

1. a. 64, 70; Actual < Estimated b. 73, 80; Actual < Estimated
 c. 29, 20; Actual > Estimated d. 79, 70; Actual > Estimated

Exercise 3F

1. 212 2. 2986 3. 159 packets 4. ₹4651
 5. 169 seats 6. 7491

Exercise 3G

1. a. 2253 b. 301 c. 1865 d. 5014
 e. 85 f. 6641
 2. 1251 3. 5825 4. 2989 5. 1788 persons

Learning Logs

1. a. 1217 b. 2048 c. 3637 d. 3956 e. 2275 f. 3689
 g. 2343 h. 3001
 2. a. 0 b. 6782 c. 4226 d. 168 e. 0 f. 9560
 3. a. < b. > c. = d. >
 4. a. 189 b. 404 5. 3996 bicycles 6. 1058 postcards

Mental Maths

1. c 2. b 3. d 4. d 5. b 6. d

HOTS

1. a.
$$\begin{array}{r} 4326 \\ - 2215 \\ \hline 2111 \end{array}$$
 b.
$$\begin{array}{r} 6771 \\ - 2236 \\ \hline 4535 \end{array}$$
 c.
$$\begin{array}{r} 8362 \\ - 6929 \\ \hline 1433 \end{array}$$

2. 1557 marbles

Fun Activity

1. A → F → K → G → C → H → L

2.

3.

20	-	12	=	8
+		+		+
25	-	11	=	14
=		=		=
45	-	23	=	22



Chapter 4: Multiplication

Warm Up

1. a. 150 b. 155 c. 110 d. 200
 Total number of toffees required = $150 + 155 + 110 + 200 = 615$
 2. a. 24 times 5 b. 28 times 5 c. 21 times 5 d. 36 times 5
 3. a. $6 \times 30 = 180$ b. $4 \times 31 = 124$ c. $5 \times 23 = 115$ d. $7 \times 40 = 280$

Exercise 4A

1. 5 jumps, $4 \times 5 = 20$
 2. a. 5, 9, 45 b. 7, 4, 28 c. 10, 6, 60 d. 4, 9, 36 e. 3, 9, 27
 3. a. 6, 10, 60 b. 2, 5, 10 c. 7, 5, 35 d. 3, 9, 27 e. 7, 6, 42
 f. 7, 3, 21 g. 4, 6, 24 h. 9, 7, 63 i. 4, 5, 20

Exercise 4B

1. a. 36 b. 42 c. 35 d. 28 e. 72 f. 40
 g. 27 h. 56 i. 48 j. 14 k. 36 l. 50
 m. 100 n. 36 o. 40
 2. a. < b. > c. = d. > e. > f. <
 3. a. 12, 15, 18 b. 16, 20, 24 c. 30, 35, 40 d. 24, 30, 36
 e. 56, 63, 70 f. 32, 40, 48 g. 45, 54, 63 h. 70, 80, 90

Exercise 4C

1. a. 60 b. 88 c. 369 d. 486
 2. a. 78 b. 792 c. 2901 d. 2776
 3. a. 69 b. 96 c. 462 d. 664 e. 978 f. 3052
 g. 3136 h. 3822 i. 3210

Exercise 4D

1. a. 529 b. 492 c. 1008 d. 4672 e. 2248 f. 5359
 g. 5148 h. 7371
 2. a. 714 b. 516 c. 252 d. 7359 e. 3564 f. 7392
 g. 726 h. 3796 i. 8184 j. 8395 k. 4752 l. 7308

Exercise 4E

1. a. 144 b. 504 c. 512 d. 492 e. 864 f. 445
 2. a. 1 b. 28 c. 6 d. 39 e. 77 f. 0
 g. 0 h. 0 i. 0
 3. a. 50 b. 80 c. 160 d. 500 e. 120 f. 360
 g. 1240 h. 320 i. 3150
 4. a. 200 b. 3800 c. 9300 d. 1700 e. 4800 f. 14000
 g. 8000 h. 7200 i. 8100
 5. a. 100 b. 40 c. 6 d. 8 e. 660 f. 100
 g. 600 h. 500 i. 700
 6. a. 56 b. 423 c. 0 d. 0
 7. a. ₹ 830 b. 5120 apples c. 1480 pens

Exercise 4F

1. a. 80, 120 b. 350, 420 c. 180, 210 d. 400, 450
 e. 360, 450 f. 320, 400 g. 240, 300 h. 60, 80
 2. a. 1200, 1320 b. 300, 364 c. 1800, 2142 d. 1200, 1452
 e. 1200, 1276 f. 800, 1008 g. 1400, 1387 h. 1000, 855

Exercise 4G

1. 3216 slabs 2. ₹ 5950 3. 4860 beads 4. ₹ 4768
 5. 4416 pencils 6. 7663 bags 7. ₹ 8970 8. ₹ 1150
 9. 3650 matchsticks 10. ₹ 480

Learning Logs

2. a. 432 b. 238 c. 1170 d. 1323 e. 1756 f. 2952
 g. 2358 h. 1956
 3. a. 7 b. 4 c. 7 d. 5 e. 1 f. 0
 4. a. 1445 passengers b. ₹ 750 c. 984 toys d. 252 chairs

Mental Maths

1. d 2. c 3. c 4. b 5. b

HOTS

1.

×	3	9	6
9	27	81	54
8	24	72	48
7	21	63	42

 2.

×	5	6	3
9	45	54	27
4	20	24	12
2	10	12	6

Puzzle



Chapter 5: Division

Warm Up

$28, 7, 4; 28 \div 7 = 4$

Exercise 5A

1. a. 4, 4, 4 b. 3, 3, 3 c. 5, 5, 5
 2. a. 3, 3, 3 b. 4, 4, 4 c. 6, 6, 6 d. 2, 2, 2
 3. a. $10 \div 5 = 2$ b. $14 \div 2 = 7$ c. $24 \div 4 = 6$
 4. a. $15 \div 3 = 5$, 5 candies b. $20 \div 5 = 4$, 4 oranges
 c. $36 \div 6 = 6$, 6 cups

Exercise 5B

1. b. $32 \div 8 = 4$ c. $420 \div 105 = 4$
 2. a. 8 b. 5 c. 4 d. 5
 e. 6 f. 9 g. 3 h. 5
 3. a. 9 b. 9 c. 7 d. 5

Exercise 5C

1. a. 7 b. 4 c. 3
 2. a. 8 b. 2 c. 6 d. 5
 3. a. $32 \div 8 = 4$, $32 \div 4 = 8$ b. $54 \div 9 = 6$, $54 \div 6 = 9$
 c. $56 \div 7 = 8$, $56 \div 8 = 7$
 4. a. $5 \times 8 = 40$ b. $11 \times 4 = 44$ c. $8 \times 6 = 48$

Exercise 5D

	Dividend	Divisor	Quotient
a.	30	3	10
b.	48	8	6
c.	68	4	17
d.	55	5	11
e.	72	6	12

2. a. $32 \div 4 = 8$ b. $63 \div 7 = 9$ c. $39 \div 3 = 13$ d. $56 \div 4 = 14$
 e. $60 \div 15 = 4$
 3. a. 7 b. 7 c. 6 d. 7
 e. 8 f. 6 g. 8 h. 5
 4. Number of groups = 3, Number of balloons left over = 1
 5. a. Q = 9, R = 1 b. Q = 7, R = 1 c. Q = 8, R = 3 d. Q = 8, R = 1
 e. Q = 4, R = 6 f. Q = 5, R = 5

Exercise 5E

1. Q = 10, R = 0 2. Q = 22, R = 0 3. Q = 32, R = 1
 4. Q = 11, R = 1 5. Q = 21, R = 1 6. Q = 11, R = 1
 7. Q = 11, R = 0 8. Q = 11, R = 0 9. Q = 212, R = 0
 10. Q = 132, R = 0 11. Q = 111, R = 0 12. Q = 204, R = 0
 13. Q = 321, R = 1 14. Q = 211, R = 1 15. Q = 111, R = 1
 16. Q = 111, R = 1 17. Q = 202, R = 1 18. Q = 101, R = 1
 19. Q = 204, R = 1 20. Q = 101, R = 3

Exercise 5F

1. Q = 15, R = 3 2. Q = 17, R = 4 3. Q = 8, R = 3
 4. Q = 16, R = 1 5. Q = 16, R = 1 6. Q = 11, R = 4
 7. Q = 106, R = 5 8. Q = 90, R = 4 9. Q = 158, R = 5
 10. Q = 121, R = 4 11. Q = 78, R = 0 12. Q = 127, R = 2
 13. Q = 64, R = 3 14. Q = 210, R = 1 15. Q = 100, R = 3
 16. Q = 108, R = 6 17. Q = 66, R = 4 18. Q = 60, R = 3
 19. Q = 131, R = 3 20. Q = 72, R = 7

Exercise 5G

S.No.	Dividend	Quotient	Remainder
2.	55	5	5
3.	78	7	8
4.	103	10	3
5.	200	20	0
6.	649	64	9

Exercise 5H

1. 21 cows 2. 104 chairs 3. ₹ 147
 4. 52 pens, 4 pens 5. 106 km 6. ₹ 275
 7. 18 sweets, 2 sweets 8. 41 packets, 2 balls
 9. 85 toffees 10. 82 tables

Exercise 5I

1. +, 14 pencils 2. ×, 10 mangoes 3. -, 7 oranges
 4. ÷, 3 toffees 5. -, 7 students 6. ×, ₹ 40
 7. +, 29 carrots 8. ÷, 2 towers

Learning Logs

2. a. 2 b. 9 c. 6 d. 12
 3. a. 45 b. 30 c. 126 d. 78
 4. a. 7 b. 13 c. 8 d. 29 e. 9 f. 10
 g. 27 h. 12
 5. a. 12 weeks b. ₹20 c. 12 trees
 d. ₹90 e. 108 children, 1 notebook
 6. a. False b. True c. False d. True e. False

Puzzle

1. 637 2. a. 28 cookies b. 21 cookies

Mental Maths

1. a. $\begin{array}{|c|c|} \hline 1 & 3 \\ \hline \end{array}$ b. $\begin{array}{|c|c|c|} \hline 1 & 8 & \\ \hline \end{array}$ c. $\begin{array}{|c|c|} \hline 4 & 8 \\ \hline \end{array}$ d. $\begin{array}{|c|c|c|c|} \hline 8 & 9 & & \\ \hline \end{array}$

2. a. $\begin{array}{r} 5 \overline{) 513} \\ \underline{10} \\ 11 \\ \underline{23} \\ 18 \\ \underline{18} \\ 0 \end{array}$ b. $\begin{array}{r} 7 \overline{) 7126} \\ \underline{14} \\ 12 \\ \underline{24} \\ 18 \\ \underline{14} \\ 4 \end{array}$ c. $\begin{array}{r} 2 \overline{) 296} \\ \underline{4} \\ 9 \\ \underline{18} \\ 11 \\ \underline{10} \\ 1 \end{array}$

HOTS

1. $\begin{array}{|c|c|c|c|} \hline 8 & \div & 4 & = & 2 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 35 & \div & 7 & = & 5 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 60 & \div & 10 & = & 6 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 5 & \times & 8 & = & 40 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 1 & \div & 1 & = & 1 \\ \hline \end{array}$

2. $\begin{array}{|c|c|c|c|} \hline 56 & \div & 7 & = & 8 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 12 & \div & 6 & = & 2 \\ \hline \end{array}$

1. $\begin{array}{|c|c|c|c|} \hline 36 & \div & 9 & = & 4 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 30 & \div & 6 & = & 5 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 12 & \div & 2 & = & 6 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 3 & \times & 6 & = & 18 \\ \hline \end{array}$

2. $\begin{array}{|c|c|c|c|} \hline 60 & \div & 10 & = & 6 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 36 & \div & 6 & = & 6 \\ \hline \end{array}$

Fun Activity

1. A → E → F → B → C → G → H → L → K → P → T

Chapter 6: Fractions

Warm Up

1. one, four

2. a.  b.  c.  d. 

Exercise 6A

1. a. Yes b. No c. No d. No

2.   

3. $\frac{1}{2}$ of shape (a), (b) and (d) are coloured.

	Numbers of coloured parts	Total number of equal parts	Fraction for coloured parts	Fraction for uncoloured parts
a.	3	8	$\frac{3}{8}$	$\frac{5}{8}$
b.	3	5	$\frac{3}{5}$	$\frac{2}{5}$
c.	4	8	$\frac{4}{8}$	$\frac{4}{8}$

7. $\frac{1}{3}$

Figure	a	b	c	d	e	f
Number of shaded parts (Numerator)	1	4	4	7	4	3
Number of parts in all (Denominator)	4	12	9	15	8	8
Fraction for shaded parts	$\frac{1}{4}$	$\frac{4}{12}$	$\frac{4}{9}$	$\frac{7}{15}$	$\frac{4}{8}$	$\frac{3}{8}$

9. a. 6 biscuits b. 6 biscuits 10. $\frac{1}{6}$

Exercise 6B

2. a. $\frac{2}{4}$ b. $\frac{2}{5}$ c. $\frac{6}{9}$
 3. b. $12 \div 2 = 6$, $\frac{1}{2}$ of 12 = 6 c. $6 \div 2 = 3$, $\frac{1}{2}$ of 6 = 3 d. $14 \div 2 = 7$, $\frac{1}{2}$ of 14 = 7
 4. b. $15 \div 3 = 5$, $\frac{1}{3}$ of 15 = 5 c. $12 \div 3 = 4$, $\frac{1}{3}$ of 12 = 4 d. $6 \div 3 = 2$, $\frac{1}{3}$ of 6 = 2
 5. b. $12 \div 4 = 3$, $\frac{1}{4}$ of 12 = 3 c. $16 \div 4 = 4$, $\frac{1}{4}$ of 16 = 4 d. $8 \div 4 = 2$, $\frac{1}{4}$ of 8 = 2

Exercise 6C

1. 10, 7, 3, $\frac{3}{10}$ 2. 16, 9, $\frac{9}{16}$ 3. a. 9 toffees b. 6 toffees
 4. a. ₹60 b. ₹30 5. $\frac{17}{32}$

Learning Logs

1. a. $\frac{5}{9}$ b. $\frac{2}{9}$ c. $\frac{8}{9}$
 3. a. $\frac{2}{5}$ b. $\frac{1}{4}$ c. $\frac{3}{20}$
 4. a. Three b. Two c. Four d. Nine
 e. Five f. Eight
 5. a. 5 bananas b. $\frac{12}{20}$ c. 3 toffees d. 3 candles
 e. $\frac{8}{16}$ f. $\frac{6}{13}$

Mental Maths

1. c 2. a 3. d 4. b 5. b

HOTS

Anuj: 14 balls, Kareem: 6 balls, Kavita: 10 balls




Chapter 7: Geometry

Warm Up

2. a. Square, two-way traffic ahead b. Square, petrol pump
 c. Triangle, left-turn d. Circle, no horn


Exercise 7A




Shapes	Number of faces	Number of plane faces	Number of curved faces	Number of edges	Number of vertices
a. Cuboid	6	6	0	12	8
b. Cube	6	6	0	12	8
c. Cylinder	3	2	1	2	0
d. Cone	2	1	1	1	1

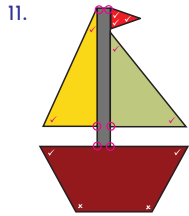
2. a. Yes b. No c. No d. Yes
 e. No f. 1 g. 2 4. Cube, cuboid
 5. a.  b.  c.  6. b
 7. a. 3 b. 3 c. 4 d. 2 e. 10

Exercise 7B

1. a. ii b. iv c. i d. iii
 2. a. Circle b. Rectangle c. Square
 3. a. Square b. Rectangle c. Circle d. Triangle
 4. a. 5 b. 4 c. 8
 5. a. 3 b. 3
 8. a. Rectangle b. Rectangle c. Circle d. Rectangle
 e. Circle f. Triangle
 9. a. Rectangle b. Triangle c. Circle d. Square

10. a.  Number of square corners = 2
 Number of less than square corners = 1
 Number of more than square corners = 1

- b.  Number of square corners = 0
Number of less than square corners = 0
Number of more than square corners = 6
- c.  Number of square corners = 2
Number of less than square corners = 3
Number of more than square corners = 0
- d.  Number of square corners = 0
Number of less than square corners = 0
Number of more than square corners = 5



Exercise 7C

1. a. 2. c 3. b
4. a. Number of straight lines = 12; Number of curved lines = 6
b. Number of straight lines = 12; Number of curved lines = 6
5. Shapes made by straight lines = 25; Shapes made by curved lines = 5

Learning Logs

1. a. 3, 3 b. 4, 4 c. equal d. opposite
e. no, no
2. a. cone b. cylinder c. cuboid d. sphere
e. cube
3. a. 18 rectangles b. 8 triangles
c. 5 triangles, 1 square, 3 rectangles
d. 18 triangles, 3 squares, 4 rectangles
4. No of square corners = 8; Less than square corner = 14
More than square corner = 2
5. Curved surface = 3; Plane surfaces = 7;
Cone, cylinder, cuboid, cube, prism

Mental Maths

1. a 2. b 3. a 4. a

HOTS

1. a. 10 b. 3 2. 5

Model Test Paper 1

1. d 2. b 3. a 4. c 5. b 6. b
7. c 8. c 9. b 10. b
11. a. T b. F c. F d. T e. T
12. a. 4420, 4520 b. 5530, 5430
13. a. 100 b. 0 c. 134 d. 0 e. 3639 f. 0
g. 150 h. 38 i. 100
14. a. 2997 b. 7540, 4057
15. a. 9025 b. 4338 c. 5168 d. Q = 101, R = 1
17. a. 20 b. 7 c. 8
18. a. $\frac{3}{8}$ b. $\frac{5}{16}$
19. a. Cube b. Cuboid, 12 c. Cone d. Sphere e. Cylinder
20. 3117
21.

	Square	More than square	Less than square
a.	2	1	1
b.	0	6	0








Chapter 8: Symmetry and Patterns

Exercise 8A

1. c, d, e, g and h



Exercise 8B

1. a.  b.  c.  d. 
2. a.  b. 100, 110 c.  d. 
3. a. 17, 21, 25, 29 b. 220, 270, 320 c. 13, 21, 34 d. 40, 45, 50
e. 141, 151, 161 f. 1075, 1085, 1095 g. Def, Efg, Fgh h. K, M, O

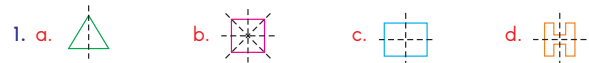
Exercise 8C


2. Honeycomb, chessboard 3. Fish

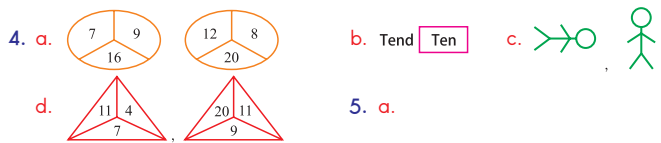
Exercise 8D

1. a. Front, Side, Top b. Front, Top, Side c. Side, Top, Front
2. a. Front view b. Side view c. Top view
3. a. West b. West c. East d. West

Learning Logs



2.  8 lines of symmetry (Answer may vary)



Mental Maths

Chapter 9: Measurement of Length

Warm Up

1. ruler 2. metre rod 3. measuring tape 4. odometer

Exercise 9A

1. a. cm b. cm c. cm d. cm
e. cm f. cm g. cm h. cm
i. m j. km
2. a. 14 cm b. 10 cm c. 12 cm d. 11 cm
e. 9 cm
3. a. Route I b. 5 m c. 8 m d. 8 m

Exercise 9B

1. a. 400 cm b. 1400 cm c. 2600 cm d. 510 cm
e. 9508 cm f. 1218 cm g. 4575 cm
2. a. 5000 m b. 6000 m c. 9000 m d. 4300 m
e. 2500 m f. 6015 m g. 1425 m

Learning Logs

1. a. 100 b. 1000 c. 1 d. 1
2. a. 800 cm b. 4600 cm c. 1205 cm d. 3885 cm
3. a. 7209 m b. 3486 m c. 4876 m d. 3911 m
4. a. Home to shopping mall via temple b. 4 km

Mental Maths

1. c 2. b 3. b 4. a 5. a

HOTS

- 4 blocks, 40 cm

Chapter 10: Measurement of Weight

Warm Up

1. Rajeev 2. Sujoy 3. Puneet
4. Rachna, Geeta, Varun, Arun/Rajeev, Ajay, Sujoy, Puneet
5. Arun and Rajeev

Exercise 10A

- a. g b. kg c. mg d. g
e. kg f. g g. g h. kg
- a. Less than 1 kg b. More than 1 kg c. Less than 1 kg
d. More than 1 kg e. Less than 1 kg f. More than 1 kg
g. More than 1 kg h. Less than 1 kg

Exercise 10B

- a. 4000 g b. 6000 g c. 9000 g d. 3000 g
e. 7000 g f. 2000 g
- a. 1200 g b. 3500 g c. 4800 g d. 5400 g
e. 6800 g f. 9076 g
- a. 500 g, 200 g, 200 g, 100 g b. 500 g, 200 g, 200 g, 50 g, 50 g
c. 200 g, 200 g, 200 g, 200 g, 100 g, 100 g
- 1 kg 31 g, 1210 g, 1 kg 301 g, 1 kg 728 g, 1827 g, 2 kg, 2050 g, 2 kg 167 g;
BIRTHDAY

Exercise 10C

1. 6 kg 2. 4 kg 3. 1 kg 4. 5 kg
5. 2 kg 500 g 6. 500 g 7. 1 kg 500 g 8. 300 g

Learning Logs

- a. 3000 g b. 2000 g c. 2368 g d. 9570 g
e. 4109 g f. 5008 g g. 9022 g h. 6975 g
i. 11001 g
- a. Mohit: 37 kg; Vikash: 20 kg; Kavya: 33 kg
b. Group 1: Mohit; Group 2: Amar; Group 3: Gourav

Mental Maths

- c 2. a 3. a 4. b

HOTS

- 4 (1 kg, 3 kg, 9 kg, 27 kg)
- First, compare any two bags using the balance to find which is heavier. Then keep the lighter bag aside and put the third bag on that pan. The one that remains heavier after the second comparison is the heaviest bag.

Chapter 11: Measurement of Capacity

Warm Up

- L 2. L 3. mL 4. L 5. L
6. L 7. mL 8. mL 9. L 10. mL

Exercise 11A

- a. 200 mL b. 5 mL c. 1 L d. 10 L
2. a. 500 mL b. 200 mL c. 300 mL d. 50 mL
e. 3 L



- a. 250 mL b. 300 mL c. 1 L d. 3 L
e. 150 mL f. 100 mL

Exercise 11B

- a. 200 mL b. 100 mL c. 500 mL d. 250 mL
2. a. 1000 mL, 1 L b. 1000 mL, 1 L c. 1000 mL, 1 L d. Four
e. 1 L f. Ten
- a. 8000 mL b. 5000 mL c. 6000 mL d. 9000 mL
- a. 4003 mL b. 3090 mL c. 2921 mL d. 7600 mL

Learning Logs

- a. 1000 b. 1 c. L d. mL
2. a. mL b. L c. mL d. mL
3. a. L b. mL c. L d. L
e. mL f. mL
- a. 3000 mL b. 7000 mL c. 8300 mL d. 4832 mL
e. 8647 mL f. 4288 mL

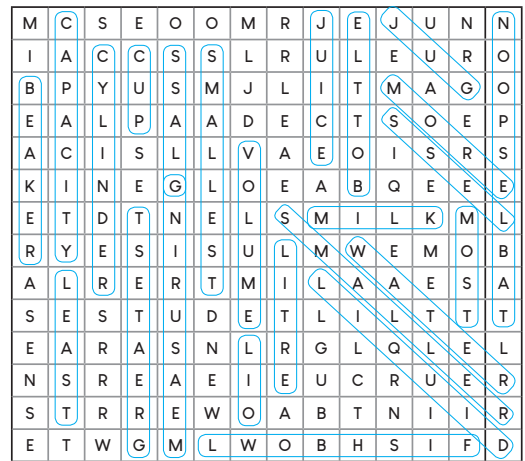
Mental Maths

- a 2. b

HOTS

- 1 two-litre pack of ghee 2. 6 litres

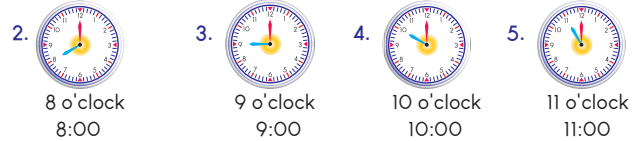
Fun Activity



Chapter 12: Time

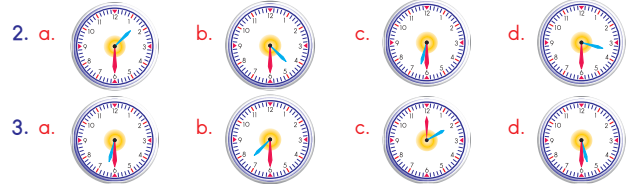
Warm Up

7 o'clock, 8 o'clock



Exercise 12A

- a. 8:30, half-past 8 b. 5:30, half-past 5 c. 7:30, half-past 7

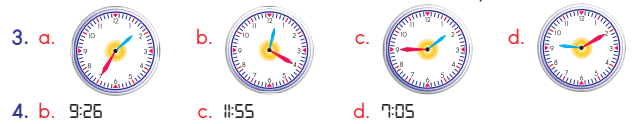


Exercise 12B

- a. iii b. iv c. ii d. i
- a. b. c. d.
- b. 2:15, quarter past 2 c. 2:45, quarter to 3 d. 7:45, quarter to 8

Exercise 12C

- a. 25 minutes past 10 b. 15 minutes past 10 or, quarter past 10
d. 15 minutes to 8 or quarter to 8
- a. 15 minutes to 1 b. Quarter past 10
c. 10 minutes to 3 d. 5 minutes past 8



Exercise 12D

- a. 5:30 a.m. b. 7:15 p.m. c. 6:55 a.m. d. 9:40 a.m.
e. 10:25 p.m. f. 5:00 p.m. g. 3:45 a.m. h. 8:05 p.m.
- a. p.m. b. a.m. c. p.m.
- a. minute b. second c. minutes d. minutes
e. month f. hours g. minutes

Exercise 12E

- a. b. c. d.
- a. 5:30 b. 3:15 c. 7:00
- a. 9:30 b. 2:15 c. 11:45
- 12 noon 5. 7:45 a.m. 6. 6:15 p.m. 7. 8:25 p.m.

Exercise 12F

2. a. 4 months b. 7 months c. July and August

Exercise 12G

1. a. 4th Jan, 2003 or 04/01/2003 b. 21st April 2014 or 21/04/2014
 c. 16th Nov 2018 or Nov 16, 2018
 3. a. 29th June b. 22nd December
 c. 12th May d. 14th March

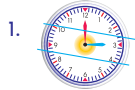
Learning Logs

1. a. iii b. v c. ii d. i e. iv
 3. a. 6:15 a.m. b. 6:25 a.m. c. 6:40 a.m. d. 6:55 a.m.
 e. 7:00 a.m. f. 7:20 a.m.
 4. a. 15th Nov 2018, 15/11/2018 b. 16th Nov 2019, 16.11.2019
 c. 26/01/2020, 26th Jan 2020
 5. 01:15 p.m. 6. Tuesday 7. Saturday

Mental Maths

1. a 2. c 3. a 4. b 5. c

HOTS



1.

Chapter 13: Money

Warm Up

1. ₹280 2. ₹230 3. ₹335 4. ₹420

Exercise 13A

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

	Combination (Way 1)	Combination (Way 2)
a.	₹20 + ₹10 + ₹5	₹20 + ₹5 + ₹5 + ₹5
b.	₹50 + ₹20 + ₹20 + ₹5	₹20 + ₹20 + ₹20 + ₹20 + ₹10 + ₹5
c.	₹20 + ₹20 + ₹5 + ₹2 + ₹1	₹20 + ₹10 + ₹10 + ₹5 + ₹2 + ₹1
d.	₹50 + ₹50 + ₹20	₹50 + ₹20 + ₹20 + ₹20 + ₹10

(Answer may vary)

3. a. ₹42.45 b. ₹103.65
 4. a. 1200 b. 3565 c. 2545 d. 9980 e. 6335 f. 2020
 5. a. 8 b. 18 c. 40.05 d. 39.45 e. 84.40 f. 25.35
 6. a. 23, 45 b. 65, 69 c. 49, 5 d. 83, 94

Exercise 13B

1. a. ₹582 b. ₹948 c. ₹800 d. ₹374
 2. a. ₹35 b. ₹18 c. ₹3 d. ₹36
 4. a. ₹180 b. ₹100 c. ₹250 d. ₹75 e. ₹48

Learning Logs

1. a. 50 b. 2 c. 5
 2. a. Eighty-nine rupees and sixty paise
 b. Nineteen rupees and seventy-five paise
 c. Fifty-five paise d. Ten rupees
 3. a. 7.50 b. 40.80 c. 19.85 d. 30.07
 4. School bag or football or kettle 5. a. ₹178 b. ₹2800

Mental Maths

1. c 2. c 3. b 4. c

HOTS

1. Number of 200-rupee notes = 5, Number of 100-rupee notes = 5
 2. ₹135
 3. a. Set of 5 soaps for ₹150 b. 10 lollipops for ₹20

Fun Activity

2. ₹360 3. 6

Chapter 14: Data Handling

Warm Up

1. a. Paddle Fish, 10 b. Eel, 3
 2. 6 3. Angel Fish, Octopus, Eel, Oyster

Exercise 14A

Flowers	Rose	Marigold	Jasmine	Sunflower	Lotus	Lily
No. of Flowers	12	14	6	8	3	6

- a. Six b. Marigold c. Lotus d. Jasmine, lily
 e. 49

Soft drinks	Number of bottles	Tally marks
Cola	25	
Lemon	30	
Jeera	10	
Mint	15	
Orange	30	

Exercise 14B

Animal name	Number of animals (Each ☺ represents 1 animal)
Giraffe	☺☺☺
Lion	☺☺☺☺
Elephant	☺☺☺☺☺☺
Deer	☺☺☺☺☺☺☺☺☺☺
Monkey	☺☺☺☺☺☺☺☺☺☺

2. a. 1 student b. 6 c. Relay race
 d. Long jump e. 4 students f. 23 students
 3. a. Cartoons b. 21 children
 c. Sports and Knowledge

Learning Logs

Students	Number of candles	Tally marks
Saket	3	
Saransh	1	
Neha	6	
Neetu	3	
Archana	7	

- a. Archana, 7 candles b. 6 candles
 c. Saket and Neetu d. Saransh
 2. a. 2 students b. Favourite desserts of students of class 3
 c. Ice cream d. Kheer e. 52 students
 3. a. 8 students b. 14 students c. Blue
 d. 4 students

Day	No. of toys (Each ☺ represents 2 toys)
Monday	☺☺☺☺☺☺
Tuesday	☺☺☺☺☺☺☺☺☺☺
Wednesday	☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺
Thursday	☺☺☺☺☺☺☺☺☺☺
Friday	☺☺☺☺☺☺☺☺☺☺
Saturday	☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺

HOTS

1. 79 2. 60

Model Test Paper 2

1. c 2. c 3. a 4. c 5. b 6. b
 7. c 8. c 9. b 10. a
 11. a. 7:00 a.m. b. 7:05 a.m. c. 7:15 a.m. d. 7:35 a.m.
 e. 7:45 a.m. f. 8:00 a.m.
 12. a. b. ↑ ↓ ↑
 c. 33 38 43 d. 63 72 81
 13. a. 100 b. 616 c. 5000 d. 7 e. 5, 859
 f. 6000 g. 6, 500 h. 7000 i. 9045 j. 7, 4
 14. Front → Side → Top →
 15. a. 10 minutes past 8 b. Quarter past 12
 c. Quarter to 10 d. 10 minutes to 7
 16. 135 min 17. 45 min
 18. a. 600 b. 6010 c. 70.05 d. 100 e. 10
 19. ₹287, ₹213

