

4

TOUCHPAD

Mathematics

Ver. 1.0 >

Answer Key

ANSWERS

Chapter 1: Numbers

Warm Up

- Two thousand five hundred twenty-five kilometres
 - Four thousand one hundred twelve kilometres
 - Nine thousand one hundred fifty metres
 - Two thousand four hundred forty-four metres
 - One thousand five hundred seven metres
 - Eight thousand five hundred eighty-six metres
- a. 200 b. 500 c. 9,586 d. 4,112 e. 9, 1, 5, 0
- 2762

Exercise 1A

- 56,413 b. 83,092 c. 66,352 d. 90,003
- 53,649 → Fifty-three thousand six hundred forty-nine
 - 14,683 → Fourteen thousand six hundred eighty-three
 - 20,403 → Twenty thousand four hundred three
 - 53,967 → Fifty-three thousand nine hundred sixty-seven
- 42,864 b. 90,649
- 56,202; 56,203; 56,204; 56,205; 56,206; 56,207; 56,208; 56,209; 56,210; 56,211; 56,212; 56,213; 56,214; 56,215; 56,216; 56,217 and 56,218
 - 44,445; 44,446; 44,447; 44,448; 44,449; 44,450; 44,451; 44,452; 44,453; 44,454; 44,455; 44,456; 44,457; 44,458 and 44,459
 - 29,057; 29,058; 29,059; 29,060; 29,061; 29,062; 29,063; and 29,064
 - 53,496; 53,497; 53,498; 53,499; 53,500; 53,501; 53,502; 53,503; 53,504; 53,505; 53,506; 53,507; 53,508 and 53,509
- 600, 6 b. 40,000, 4 c. 60, 6 d. 7000, 7
 - 0, 0
- 20,000 + 4000 + 600 + 30 + 9 b. 70,000 + 40 + 5
 - 80,000 + 2000 + 900 + 60 + 3 d. 90,000 + 900 + 90 + 9
- 60,060; 59,940 b. 60,060; 59,940
 - 6,060; 5,940 d. 60,006; 59,994
- Hundreds b. Three places
 - 45 d. 3,643

Exercise 1B

- 20,555; 20,529
- 36,506; 36,516; 36,526; 36,536; 36,546
 - 73,650; 73,660; 73,670; 73,680; 73,690
 - 54,461; 54,561; 54,661; 54,761; 54,861
 - 73,278; 73,378; 73,478; 73,578; 73,678
 - 8,248; 9,248; 10,248; 11,248; 12,248
 - 61,436; 62,436; 63,436; 64,436; 65,436
- a. 34365 b. 73649 c. 11144 d. 40069 e. 54837 f. 20000
- a. 12729 b. 5429 c. 91347 d. 43648 e. 73644 f. 56303

Exercise 1C

- < b. > c. < d. > e. < f. <
- 8,957; 7,856 b. 88,332; 5,657
 - 45,562; 45,172 d. 78,960; 68,960
- 6,560; 8,850; 8,856; 8,876 b. 65,690; 67,656; 67,895; 98,975
 - 56,561; 56,563; 56,565; 56,567
 - 56,565; 67,654; 76,546; 76,946
- 8,987; 8,978; 8,968; 8,960 b. 3,560; 3,206; 3,105; 3,103
 - 79,568; 79,567; 59,678; 59,576 d. 99,999; 96,999; 89,999; 83,456
- Mercury, Earth, Uranus, Saturn, Jupiter

Exercise 1D

- 4,320; 2,034 b. 9,763; 3,679
 - 85,430; 30,458 d. 96,321; 12,369
- 7,532; 2,357 b. 8,754; 4,578
 - 9,830; 3,089 d. 9,610; 1,069
- 88,543; 33,458 b. 77,760; 60,007 c. 88,872; 22,278
 - 99,960; 60,009 e. 55,550; 50,000

Exercise 1E

- 50 b. 210 c. 740 d. 560 e. 1,080
 - 2,370 g. 5,750 h. 9,050 i. 10,200 j. 14,560
- 300 b. 600 c. 2,800 d. 4,600 e. 5,000
 - 2,500 g. 9,400 h. 7,500 i. 14,700 j. 43,600
- 350; 300 b. 570; 600 c. 240; 200 d. 1,360; 1,400
 - 2,410; 2,400
- 8,850 m; 8,800 m b. 2,530 km; 2,500 km
 - 12,740 km; 12,700 km d. 430 km; 400 km

Learning Logs

- Kanchenjunga
 - 22940 ft., 23760 ft., 24370 ft., 25446 ft., 25643 ft., 28169 ft.

d.	Rishi Pahar	Nanda Devi	Kangchen-junga	K12	Mukut Parbat	Kamet
	22,900 ft.	25,600 ft.	28,200 ft.	24,400 ft.	23,800 ft.	25,400 ft.

- 50, 5 b. 6000, 6 c. 50,000, 5 d. 400, 4
- < b. > c. > d. <
- 14,587; 14,585 b. 32,009; 32,007
 - 39,010; 39,008 d. 69,898; 69,896
- 28,500, 39,542, 52,800, 58,002, 67,019, 82,500
 - 98,677, 87,696, 78,765, 37,852, 9,998, 3,705
- 843 b. 870 c. 931 7. 88,743
- 1123, 3321 b. 2259, 9952 c. 1,003, 3,310

Mental Maths

- c 2. b 3. a 4. d 5. a 6. b

HOTS



Chapter 2: Addition and Subtraction

Warm Up

- 1548 visitors b. 2085 visitors c. 2250 visitors
 - 1696 visitors e. 2053 visitors
- 492 visitors b. 405 visitors c. 830 visitors
 - 272 visitors e. 1203 visitors

Exercise 2A

- 1 b. 1 c. 2436 d. 0 e. 0 f. 9999
 - 246 h. 4021
- 8465 b. 56884 c. 66897
- 6355 b. 42146 c. 79686
- 4370 b. 8475 c. 10582 d. 14568 e. 52430 f. 67523
 - 16149 h. 87373 i. 90757
- 10812 b. 13821 c. 62034 d. 98887



Exercise 2B

1. a. 130, 129 b. 430, 431 c. 760, 753 d. 5900, 5899
 e. 4780, 4783 f. 3790, 3792 g. 75990, 75987 h. 78780, 78776
2. a. 1500, 1494 b. 1100, 1054 c. 1200, 1173 d. 14400, 14382
 e. 13700, 13692 f. 54600, 54653
 g. 72100, 72081 h. 36800, 36798

Exercise 2C

1. 15347 visitors 2. 87729 fans 3. ₹ 22,500
 4. 21696 books 5. 14299 trees 6. 62196 votes
 7. a. ₹ 19,580 b. ₹ 18,825 c. ₹ 6,745 d. ₹ 22,575

Exercise 2D

1. a. 0 b. 154 c. 2364 d. 0 e. 193 f. 2434
 g. 55 h. 1 i. 3728
2. a. 4818 b. 2384 c. 1250 d. 2021 e. 44946 f. 54691
3. a. 60374 b. 23655 c. 34602 d. 17056 e. 52346 f. 45011
4. a. 1545 b. 2997 c. 64879 d. 23570 e. 6238 f. 36775
 g. 45037 h. 32302

Exercise 2E

1. a. 50, 51 b. 180, 181 c. 500, 496 d. 230, 222
 e. 770, 772 f. 4320, 4325 g. 1010, 1010 h. 6670, 6666
2. a. 100, 178 b. 500, 544 c. 300, 264 d. 400, 469
 e. 1200, 1246 f. 3500, 3568 g. 15900, 15878 h. 3300, 3228

Exercise 2F

1. 6856 TV sets 2. 84498 litres of milk 3. 17970 bags
 4. ₹ 32,400 5. 3023 trees
 6. a. ₹ 1,300 b. ₹ 664 c. ₹ 636

Exercise 2G

1. a. 741 b. 7127 c. 6022 d. 4851
 e. 4457 f. 6295 g. 1255 h. 3340
2. a. 7636 b. 22523 c. 2911 d. 91107
3. a. 2215 b. 4904 c. 92827 d. 4654
4. a. 90929 b. 46228 c. 55349 d. 4975
5. 34625 people 6. 2426 children

Learning Logs

1. a. 55062 b. 83087 c. 44099 d. 82960
 2. a. 42420 b. 48675 c. 45111 d. 6081
 3. a. 53186 b. 26343 c. 61376 d. 75069
 4. a. 809 b. 33782 c. 12992 d. 54031
 5. 64915 6. 75532 bags 7. 78194 votes
 8. ₹ 36647, ₹ 65622 9. 22244 10. 34361
 11. 31879 12. 23023 litres

Mental Maths

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

HOTS

1. a.
$$\begin{array}{r} 2 & 3 & 6 & 4 & 5 \\ + & 5 & 6 & 4 & 2 & 3 \\ \hline 8 & 0 & 0 & 6 & 8 \end{array}$$
- b.
$$\begin{array}{r} 7 & 3 & 6 & 4 & 5 \\ + & 1 & 8 & 9 & 6 & 4 \\ \hline 9 & 2 & 6 & 0 & 9 \end{array}$$
- c.
$$\begin{array}{r} 7 & 0 & 0 & 4 & 3 \\ - & 1 & 9 & 7 & 3 & 8 \\ \hline 5 & 0 & 3 & 0 & 5 \end{array}$$
- d.
$$\begin{array}{r} 5 & 7 & 3 & 6 & 4 \\ - & 1 & 3 & 4 & 2 & 8 \\ \hline 4 & 3 & 9 & 3 & 6 \end{array}$$
2. a. 9740 b. 4079; difference = 5661

Puzzle

1. a. $\begin{pmatrix} 1 & 2 \\ 3 & 9 \end{pmatrix} \rightarrow \text{sum} = 15$ $\begin{pmatrix} 7 \\ 8 \end{pmatrix} \rightarrow \text{sum} = 15$ $\begin{pmatrix} 4 & 5 \\ 6 \end{pmatrix} \rightarrow \text{sum} = 15$
- b. $\begin{pmatrix} 1 \\ 9 & 5 \end{pmatrix} \rightarrow \text{sum} = 15$ $\begin{pmatrix} 2 \\ 7 & 6 \end{pmatrix} \rightarrow \text{sum} = 15$ $\begin{pmatrix} 3 & 4 \\ 8 \end{pmatrix} \rightarrow \text{sum} = 15$

53	+	1	=	54	-	22	=	32
-		+		-		+		-
4	-	3	=	1	+	4	=	5
=		=		=		=		=
49	+	4	=	53	-	26	=	27
+		+		-		-		+
4	+	9	=	13	-	13	=	0
=		=		=		=		=
53	-	13	=	40	-	13	=	27

Chapter 3: Multiplication

Warm Up

1. a. 36 kg b. 30 kg c. 42 kg
 2. a. 56 days b. 112 days c. 252 days
 3. a. 60 cm b. 72 cm c. 88 cm
 4. a. 384 cm b. 450 cm c. 492 cm

Exercise 3A

1. a. 123 b. 1 c. 572 d. 0 e. 0 f. 0
 g. 48 h. 522 i. 215 j. 16 k. 93
2. a. → ii b. → iv c. → i d. iii

Exercise 3B

1. a. 1384 b. 828 c. 2610 d. 4536 e. 2648 f. 4086
 g. 8525 h. 8972
2. a. 642 b. 1020 c. 864 d. 37626 e. 13080 f. 11746
 g. 18536 h. 4923 i. 32216

Exercise 3C

1. a. 570 b. 1680 c. 24130 d. 93 e. 10 f. 1290
 g. 22840 h. 16440 i. 67250
2. a. 168 b. 11375 c. 22484 d. 18408
3. a. 1768 b. 2730 c. 1911 d. 3996 e. 11859 f. 9774
 g. 20254 h. 31680 i. 32955 j. 83056 k. 36552 l. 39886

Exercise 3D

1. a. 4100 b. 35700 c. 100 d. 249 e. 11200 f. 51600
 g. 82000 h. 13410 i. 98400
2. a. 47285 b. 63756 c. 91200 d. 46683
3. a. 73544 b. 49329 c. 38280 d. 80925 e. 80117 f. 59520
 g. 99944 h. 82992 i. 65520 j. 61617 k. 57599 l. 85690

Exercise 3E

1. a. 140 b. 371 c. 344 d. 670 e. 1968 f. 2232
 g. 12378 h. 14058 i. 16047
2. a. 1118 b. 3869 c. 2436 d. 4644 e. 8364 f. 36381
 g. 27714 h. 94831

Exercise 3F

1. a. 400 b. 2400 c. 1600 d. 6400
 e. 2800 f. 1500 g. 12000 h. 3000
 i. 16500 j. 31200 k. 35100 l. 68900
2. a. 30000 b. 40000 c. 80000 d. 40000
 e. 90000 f. 20000 g. 40000 h. 80000
 i. 60000

Exercise 3G

1. 82602 books 2. ₹47,530 3. 28275 passengers
 4. 14880 words 5. 950 kg 6. ₹29,370 7. ₹74,655
 8. a. ₹645 b. ₹840 c. ₹656 d. ₹47
 9. 26000 cards 10. 16380 apples



Learning Logs

- a. 5 b. 12 c. 29 d. 1
e. 0 f. 0
- a. 4900 b. 908 c. 3600 d. 8700
e. 205000 f. 1000
- a. 240 b. 510 c. 1200 d. 2820
e. 8050 f. 19840
- a. 10500 b. 12500 c. 46800 d. 93800
e. 50800 f. 79200
- a. 3264 b. 6336 c. 14178 d. 83390
e. 23844 f. 85767
- a. 943 b. 13216 c. 9548 d. 28635
- a. ₹85,980 b. 17236 km c. 20894 vehicles
d. 82680 bags e. 14976 g f. 60075 bags g. 52000 pages

Mental Maths

- c 2. c 3. a 4. c 5. b
- c 7. a

HOTS

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Chapter 4: Division

Warm Up

- 6 2. 4 3. 12
- a. 6, 6 b. 9, 4 c. 3, 12

Exercise 4A

- a. 85, 5, 17 b. 112, 7, 16 c. 1 d. 72
e. 1 f. 9 g. 27 h. 135
i. 0 j. 0 k. 0
- a. $35 \div 7 = 5$, $35 \div 5 = 7$ b. $96 \div 6 = 16$, $96 \div 16 = 6$
c. $120 \div 12 = 10$, $120 \div 10 = 12$ d. $252 \div 14 = 18$, $252 \div 18 = 14$
e. $135 \div 9 = 15$, $135 \div 15 = 9$ f. $736 \div 23 = 32$, $736 \div 32 = 23$
- a. Q = 19, R = 1 b. Q = 15, R = 3 c. Q = 10, R = 4 d. Q = 18, R = 0
e. Q = 13, R = 2 f. Q = 11, R = 4 g. Q = 9, R = 1 h. Q = 9, R = 3

Exercise 4B

- a. Q = 51, R = 0 b. Q = 21, R = 3 c. Q = 284, R = 0
d. Q = 81, R = 7 e. Q = 93, R = 0 f. Q = 95, R = 0
g. Q = 53, R = 0 h. Q = 136, R = 0
- a. Q = 102, R = 2 b. Q = 90, R = 4 c. Q = 130, R = 4
d. Q = 53, R = 1 e. Q = 210, R = 1 f. Q = 84, R = 3
g. Q = 108, R = 4 h. Q = 107, R = 1 i. Q = 1256, R = 0
j. Q = 684, R = 4 k. Q = 342, R = 2 l. Q = 1047, R = 1
m. Q = 2075, R = 3 n. Q = 266, R = 1 o. Q = 849, R = 8
p. Q = 1662, R = 1
- a. Q = 1887, R = 0 b. Q = 402, R = 4 c. Q = 326, R = 1
d. Q = 1054, R = 5 e. Q = 686, R = 1 f. Q = 662, R = 0
g. Q = 1051, R = 0 h. Q = 1264, R = 1
- a. 7 b. 4 c. 3 d. 8

Exercise 4C

- a. Q = 7, R = 3 b. Q = 2, R = 2 c. Q = 2, R = 16
d. Q = 3, R = 5 e. Q = 3, R = 3 f. Q = 2, R = 4
g. Q = 2, R = 6 h. Q = 1, R = 26 i. Q = 5, R = 6
j. Q = 2, R = 12 k. Q = 3, R = 3 l. Q = 1, R = 16
- a. Q = 61, R = 13 b. Q = 37, R = 6 c. Q = 32, R = 0
d. Q = 16, R = 13 e. Q = 31, R = 0 f. Q = 8, R = 30
g. Q = 7, R = 16 h. Q = 15, R = 23 i. Q = 17, R = 20
j. Q = 13, R = 20 k. Q = 8, R = 30 l. Q = 4, R = 3
- a. Q = 2, R = 21 b. Q = 2, R = 13 c. Q = 5, R = 2
d. Q = 9, R = 7 e. Q = 4, R = 16 f. Q = 5, R = 15
g. Q = 1, R = 26 h. Q = 2, R = 19 i. Q = 31, R = 16
j. Q = 26, R = 12 k. Q = 12, R = 18 l. Q = 2, R = 31
- a. 12 b. 27

Exercise 4D

- a. Q = 538, R = 0 b. Q = 488, R = 11 c. Q = 117, R = 27
d. Q = 417, R = 18 e. Q = 288, R = 4 f. Q = 228, R = 17
g. Q = 397, R = 16 h. Q = 100, R = 56 i. Q = 44, R = 40
j. Q = 323, R = 1 k. Q = 294, R = 2 l. Q = 363, R = 14
- a. Q = 372, R = 0 b. Q = 141, R = 0 c. Q = 375, R = 3
d. Q = 475, R = 0 e. Q = 68, R = 0 f. Q = 157, R = 15
g. Q = 206, R = 1 h. Q = 112, R = 26 i. Q = 158, R = 20
j. Q = 358, R = 6 k. Q = 387, R = 16 l. Q = 303, R = 0

Exercise 4E

- a. Q = 7, R = 2 b. Q = 8, R = 2 c. Q = 6, R = 4
d. Q = 34, R = 0 e. Q = 13, R = 5 f. Q = 93, R = 6
g. Q = 136, R = 4 h. Q = 279, R = 6
- a. Q = 6, R = 41 b. Q = 8, R = 68 c. Q = 5, R = 50
d. Q = 7, R = 8 e. Q = 9, R = 0 f. Q = 23, R = 65
g. Q = 37, R = 8 h. Q = 50, R = 64
- a. Q = 2, R = 33 b. Q = 3, R = 655 c. Q = 5, R = 9
d. Q = 4, R = 603 e. Q = 9, R = 300 f. Q = 5, R = 784

Exercise 4F

- a. 4 b. 10 c. 3 d. 10 e. 10 f. 100
g. 100 h. 40
- a. \rightarrow iii \rightarrow V b. \rightarrow i \rightarrow II c. \rightarrow v \rightarrow IV d. \rightarrow ii \rightarrow I
e. \rightarrow iv \rightarrow III

Exercise 4G

- ₹4,450 2. ₹1,210 3. 75 words 4. 36 pens
- 145 pages 6. 68 students 7. 127 music videos
- 23 balls 9. 126 stamps 10. 101, No

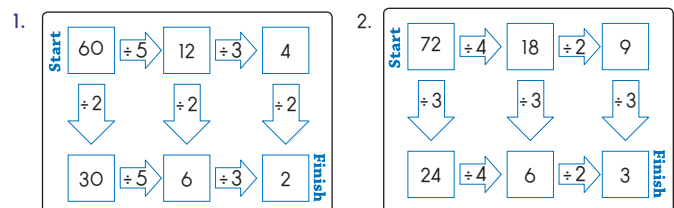
Learning Logs

- a. 135 b. 1 c. 85
d. 870 e. 1 f. 0
- a. Q = 202, R = 2 b. Q = 26, R = 0 c. Q = 76, R = 1
d. Q = 102, R = 4 e. Q = 564, R = 0 f. Q = 243, R = 5
g. Q = 1006, R = 0 h. Q = 1111, R = 2
- a. Q = 2, R = 6 b. Q = 1, R = 19 c. Q = 4, R = 24
d. Q = 7, R = 66 e. Q = 163, R = 15 f. Q = 53, R = 56
g. Q = 54, R = 30 h. Q = 158, R = 30
- a. 7, 8 b. 95, 6 c. 285, 6
d. 895, 4 e. 6, 58 f. 9, 54
g. 74, 46 h. 89, 87 i. 7, 958
j. 9, 693

	Division	Rounds to	Actual Q and R	Estimated Q & R
a.	$81 \div 18$	$80 \div 20$	Q = 4, R = 9	Q = 4, R = 0
b.	$56 \div 23$	$60 \div 20$	Q = 2, R = 10	Q = 3, R = 0
c.	$312 \div 59$	$300 \div 60$	Q = 5, R = 17	Q = 5, R = 0
d.	$681 \div 53$	$700 \div 50$	Q = 12, R = 45	Q = 14, R = 0
e.	$691 \div 51$	$700 \div 50$	Q = 13, R = 28	Q = 14, R = 0

- a. False b. False c. False
d. False e. False f. True
- a. 248 days b. 48 dozen c. 114 m
d. 522 km e. 221 children f. 209
g. Yes, 14 crayons

Mental Maths



HOTS

1. 3 2. 4 3. 4 4. 4

Puzzle

70 students

Chapter 5: Multiples and Factors

Warm Up

1. Number of rows	1	2	3	4	5	6	7	8	9	10
Number of camels	3	6	9	12	15	18	21	24	27	30

2. b. There are 2 groups of 6 dancers each. So, $2 \times 6 = 12$
 c. There are 3 groups of 4 dancers each. So, $3 \times 4 = 12$

Exercise 5A

1. 3, 6, 9, 12
 2. a. 7, 14, 21, 28, 35, 42 b. 9, 18, 27, 36, 45, 54
 c. 11, 22, 33, 44, 55, 66 d. 15, 30, 45, 60, 75, 90
 e. 18, 36, 54, 72, 90, 108 f. 25, 50, 75, 100, 125, 150
 3. a. 10, 20, 30, 40, 50 b. 14, 28, 42, 56, 70
 c. 22, 44, 66, 88, 110 d. 26, 52, 78, 104, 130
 e. 30, 60, 90, 120, 150 f. 50, 100, 150, 200, 250
 4. a. 3, 9, 15, 21, 27 b. 17, 51, 85, 119, 153
 c. 19, 57, 95, 133, 171 d. 21, 63, 105, 147, 189
 e. 27, 81, 135, 189, 243 f. 35, 105, 175, 245, 315
 5. 72, 96, 120, 144, 280
 6. a. 40 b. 72 c. 12, 24, 36, 48, 60, 72, 84, 96, 108, 120, 132
 d. 21, 24, 27, 30, 33, 36, 39, 42, 45, 48
 e. 54, 63, 72, 81, 90, 99 f. 72
 7. a. F b. T c. T d. F e. T f. F
 8. a. 8; 48, 56, 64 b. 9; 72, 81, 90 c. 14; 112, 126, 140
 d. 15; 75, 90, 105

Exercise 5B

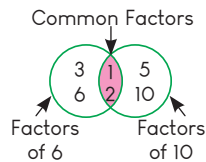
1. a. 6, 12, 18 b. 10, 20 c. 6, 12, 18
 2. a. 20, 40, 60, 80 b. 10, 20, 30, 40 c. 14, 28, 42, 56
 d. 20, 40, 60, 80 e. 24, 48, 72, 96
 3. a. (18), 36, 54, 72, ... b. (30), 60, 90, 120, ... c. (24), 48, 72, 96, ...
 d. (30), 60, 90, 120, ... e. (60), 120, 180, ...

Exercise 5C

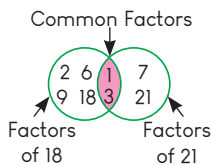
1. a. 1, 2, 3, 5, 6, 10, 15 b. 1, 2, 4, 5, 10 c. 1, 2, 4, 8, 16
 2. $1 \times 24, 2 \times 12, 4 \times 6, 3 \times 8$
 Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24
 3. a. 1, 3, 5, 9, 15, 45 b. 1, 2, 4, 7, 8, 14, 28, 56
 c. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72
 d. 1, 3, 13, 39 e. 1, 13
 4. a. Yes b. No c. Yes d. No
 5. a. 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 b. 6, 8, 10, 14, 15, 21, 22, 26, 27
 c. 4, 9, 25
 6. a. True b. False c. True d. False e. False f. True

Exercise 5D

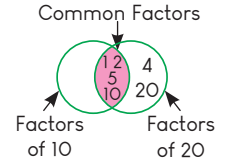
1. a. Factors of 6 = 1, 2, 3, 6
 Factors of 10 = 1, 2, 5, 10
 Common factors = 1, 2



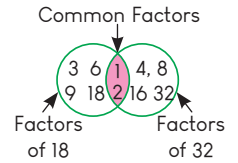
- b. Factors of 18 = 1, 2, 3, 6, 9, 18
 Factors of 21 = 1, 3, 7, 21
 Common factors = 1, 3



- c. Factors of 10 = 1, 2, 5, 10
 Factors of 20 = 1, 2, 4, 5, 10, 20
 Common factors = 1, 2, 5, 10



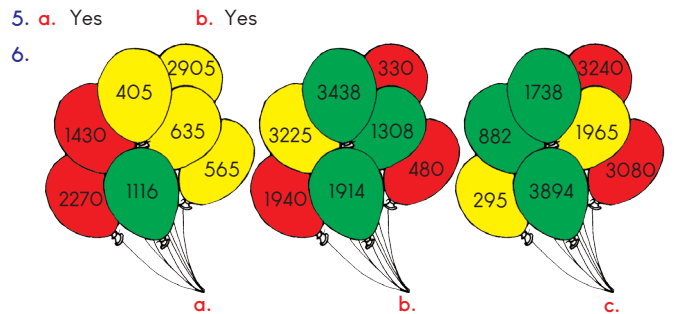
- d. Factors of 18 = 1, 2, 3, 6, 9, 18
 Factors of 32 = 1, 2, 4, 8, 16, 32
 Common factors = 1, 2



2. a. 1, 3 b. 1, 2, 3, 6, 9, 18 c. 1 d. 1, 5
 e. 1, 7 f. 1, 2, 4, 8 g. 1, 2, 4 h. 1, 2

Learning Logs

1. a. 3, 11 b. 6 c. factors d. 30
 2. 24, 48, 72
 3. a. 1, 3, 5, 15 b. 1, 3, 7, 21 c. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
 d. 1, 2, 4, 7, 8, 14, 28, 56
 4. a. 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64
 b. 30, 35, 40, 45, 50, 55, 60 c. 30, 40, 50, 60
 d. 30, 40, 50, 60 e. 30, 40, 50, 60
 f. 30, 36, 42, 48, 54, 60
 5. a. Yes b. Yes



Mental Maths

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

HOTS

1. a. 12, 16, 20, 24, 28 b. 12, 24 c. 12

Puzzle

1. 2	0		2. 6	3. 3
4				6
	4. 4	0	0	
	8	5. 1	0	0
6. 0			7. 2	
8. 1	0		9. 1	













Chapter 6: Fractions

Warm Up

2. a. $\frac{1}{3}$ b. $\frac{2}{4}$ c. $\frac{2}{4}$ d. $\frac{1}{2}$ e. $\frac{2}{4}$ f. $\frac{3}{5}$
 g. $\frac{2}{4}$ h. $\frac{1}{4}$ i. $\frac{1}{2}$ j. $\frac{2}{4}$ k. $\frac{2}{3}$ l. $\frac{2}{4}$



Exercise 6A

1. a. $\frac{5}{6}$ b. $\frac{1}{3}$ c. $\frac{2}{3}$ d. $\frac{2}{8}$ e. $\frac{3}{6}$ f. $\frac{11}{32}$
 g. $\frac{2}{5}$ h. $\frac{7}{25}$
2. a.  b.  c.  d. 
- e.  f.  g.  h. 
3. a.  b.  c.  d. 

(Answer may vary)

4. a. $\frac{1}{6}$ b. $\frac{3}{10}$ c. $\frac{4}{6}$ d. $\frac{7}{8}$ e. $\frac{3}{7}$ f. $\frac{1}{4}$
 5. a. whole b. three c. four d. six
 6. a. 5, 8 b. 4, 7 c. 2, 7
 7. a. $\frac{5}{9}$ b. 4 c. 5 d. $\frac{7}{11}$ e. 8

Exercise 6B

1. a. 3 balloons in red b. 6 balloons in green c. 3 balloons in blue
 2. a. 18 b. 25 c. 9 d. 12 e. 54 f. 12
 3. a. 25 kg b. ₹44 c. 9 months d. 8 units e. 36 m f. 270 cm

Exercise 6C

1. b and c 2. a, e and b, d 3. b and c
 4. a. 4 b. 9 c. 5 d. 1
 5. a. 15 b. 16 c. 7 d. 9
 6. a. $\frac{10}{14}, \frac{15}{21}, \frac{20}{28}, \frac{25}{35}, \frac{30}{42}$ b. $\frac{6}{8}, \frac{9}{12}, \frac{12}{16}, \frac{15}{20}, \frac{18}{24}$
 c. $\frac{10}{16}, \frac{15}{24}, \frac{20}{32}, \frac{25}{40}, \frac{30}{48}$ d. $\frac{4}{14}, \frac{6}{21}, \frac{8}{28}, \frac{10}{35}, \frac{12}{42}$
 e. $\frac{16}{6}, \frac{24}{9}, \frac{32}{12}, \frac{40}{15}, \frac{48}{18}$ (Answer may vary)
 7. a. $\frac{9}{18}$ b. $\frac{12}{18}$ c. $\frac{6}{18}$ d. $\frac{54}{18}$ e. $\frac{10}{18}$
 8. a. $\frac{20}{90}$ b. $\frac{20}{25}$ c. $\frac{20}{32}$ d. $\frac{20}{14}$ e. $\frac{20}{9}$
 9. a. 8 b. 54 c. 45 d. 42
 10. a. No b. No c. Yes d. No e. Yes

Exercise 6D

1. b, d, and f 2. a, b and e 3. a, c, d and e
 4. a. $\frac{4}{5}$ b. $\frac{9}{13}$ c. $\frac{8}{16}$ d. $\frac{2}{9}$ e. $\frac{8}{20}$
 5. a. = b. < c. > d. > e. <
 6. a. $\frac{2}{8}, \frac{4}{8}, \frac{5}{8}$ b. $\frac{1}{9}, \frac{2}{9}, \frac{6}{9}$ c. $\frac{1}{12}, \frac{5}{12}, \frac{8}{12}$
 7. a. $\frac{3}{9}, \frac{2}{9}, \frac{1}{9}$ b. $\frac{9}{15}, \frac{3}{15}, \frac{1}{15}$ c. $\frac{7}{7}, \frac{4}{7}, \frac{3}{7}$

Exercise 6E

1. a. $\frac{17}{19}$ b. $\frac{13}{15}$ c. $\frac{2}{3}$ d. $\frac{7}{12}$ e. $\frac{5}{6}$ f. $\frac{11}{27}$
 g. $\frac{9}{10}$ h. $\frac{9}{16}$
 2. a. $\frac{3}{11}$ b. $\frac{3}{8}$ c. 0 d. $\frac{1}{8}$ e. $\frac{2}{17}$ f. $\frac{3}{11}$
 g. $\frac{1}{9}$ h. $\frac{4}{9}$

3. a. $\frac{3}{4}$ b. 1 m c. $\frac{7}{8}$ km d. $\frac{11}{12}$ hour
 e. Neelima jumped a greater distance by $\frac{1}{8}$ metre f. 1 m

Learning Logs

1. a. like b. unlike c. unlike d. like
 2. a. 12 b. 2 c. 4 d. 35
 3. a. < b. > c. > d. <
 4. a. $\frac{1}{15}, \frac{2}{15}, \frac{3}{15}, \frac{7}{15}$ b. $\frac{1}{4}, \frac{3}{4}, \frac{5}{4}, \frac{7}{4}$ c. $\frac{2}{9}, \frac{3}{9}, \frac{4}{9}, \frac{5}{9}$
 5. a. $\frac{6}{10}, \frac{5}{10}, \frac{3}{10}, \frac{1}{10}$ b. $\frac{8}{15}, \frac{6}{15}, \frac{4}{15}, \frac{3}{15}$ c. $\frac{5}{21}, \frac{4}{21}, \frac{3}{21}, \frac{2}{21}$
 6. a. $\frac{18}{19}$ b. 1 c. $\frac{29}{32}$ d. $\frac{5}{9}$
 7. a. $\frac{3}{11}$ b. $\frac{2}{5}$ c. $\frac{2}{3}$ d. $\frac{4}{5}$ 8. $\frac{1}{2}$ m

HOTS

1. $\frac{1}{12}, \frac{1}{6}, \frac{1}{3}$ 2. $\frac{1}{12}, \frac{1}{4}, \frac{1}{3}$ 3. $\frac{1}{6}, \frac{1}{4}, \frac{1}{3}$ 4. $\frac{1}{12}, \frac{1}{6}, \frac{1}{3}$
 5. $\frac{1}{12}, \frac{1}{6}, \frac{1}{3}$

Mental Maths

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

Model Test Paper 1

1. a 2. a 3. a 4. c
 5. b 6. b 7. d 8. d
 9. c 10. b
 11. a. 76412 b. 29038 c. 3494 d. 6904
 12. a. 7900 b. 61074 c. 63200 d. 29760
 13. a. Q = 1024, R = 3 b. Q = 182, R = 19
 c. Q = 5632, R = 1 d. Q = 182, R = 64
 14. a. iii b. i c. ii d. vi
 e. iv f. vii g. v
 15. a. Yes b. No c. 101
 16. a. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72 b. 800
 c. 45, 60, 75 d. 87
 17. a. 18, 35, 42 b. 10, 35, 16
 18. a. < b. > c. > d. >
 19. a. 1 b. $\frac{1}{3}$ c. $\frac{1}{2}$
 20. a. 10,623 b. ₹15,390 c. ₹604

Chapter 7: Geometry

Warm Up

1. Cone, Party hat 2. Cylinder, Candle, Cake
 3. Cuboid, milkcake 4. Sphere, Gulab jamun
 5. Cube, Gift box 6. Hemisphere, Bowl

Exercise 7A

1. Cube, Cuboid, Cone, Cylinder and Sphere
 2. a. iv, v b. i, ii c. iii, iv, v

3.

Name of shape	Number of faces	Number of plane faces	Number of curved faces	Number of edges	Number of vertices
a. Cube	6	6	0	12	8
b. Cuboid	6	6	0	12	8
c. Cylinder	3	2	1	2	0
d. Cone	2	1	1	1	1
e. Sphere	1	0	1	0	0
f. Hemisphere	2	1	1	1	0



4. i. \rightarrow b ii. \rightarrow d iii. \rightarrow a iv. \rightarrow c
 6. $F + V - E = 2$ 7. a. 22 b. 30 c. 66

Exercise 7B

1. a. point, P b. line, \overleftrightarrow{ST} c. Ray, \overrightarrow{CD} d. line segment, \overline{UV} or \overline{VU}
 2. a. 4 b. 3 c. 5 d. 0
 3. a. $\overline{OA}, \overline{OB}, \overline{OC}, \overline{OD}$ b. $\overline{OP}, \overline{OQ}, \overline{OR}, \overline{OS}, \overline{OT}, \overline{OU}, \overline{OV}, \overline{OW}$
 c. $\overline{PA}, \overline{PB}, \overline{PH}, \overline{CH}, \overline{CE}, \overline{DF}, \overline{PG}, \overline{DG}$
 4. a. 4 cm b. 6 cm c. 7 cm d. 8 cm e. 10 cm f. 11 cm

Exercise 7C

2. a. Right angles b. Acute angles c. Acute angle d. Right angle
 e. Obtuse angle

Exercise 7D

1. a. 5 b. 4 c. 10 2. a, b, c and e
 3. a. Quadrilateral, AB, BC, CD, DA
 b. Triangle, XY, YZ, ZX c. Quadrilateral, MN, NO, PM, OP
 d. Pentagon, AB, BC, CD, DE, AE
 5. a. True b. False, all squares are rectangles.
 c. False, a polygon has three or more sides.
 d. True e. False, all rectangles are quadrilaterals.
 6. 12 triangles, No

Exercise 7E

1. a. O b. OE, OG, OF c. EF
 2. OA 3. AB
 5. a. 3 cm b. 10 cm c. 7 cm 6. a. 2 cm b. 48 cm c. 60 cm
 7. a. Right angle b. Acute angle c. Obtuse angle
 d. Acute angle
 8. a. False b. True c. True d. False e. True f. True

Learning Logs

1. a. A, B, D, E, F b. \overline{BF} c. $\overline{OA}, \overline{OB}, \overline{OD}, \overline{OF}$
 d. $\overline{OA}, \overline{OB}, \overline{OD}, \overline{OF}, \overline{EB}$
 4. a. centre b. radius c. radius d. diameter
 5. c

Mental Maths

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

HOTS

1. Circle, rectangle, square, cylinder, triangle

Chapter 8: Symmetry and Patterns

Warm Up

1. No 2. 1 3. 1, 2, 3, 6 4. 4
 5. 4, 5, 7, 8, 9, 10

Exercise 8A

1. a, c and d
 2. a. no b. no c. yes d. no
 4. One line of symmetry: A, B, C, D, E, K, M, T, U, V, W, Y
 Two lines of symmetry: H, I, O, X
 No line of symmetry: F, G, J, L, N, P, Q, R, S, Z
 5. 3, 5, 6, 1 and 8

Exercise 8B

1. a, b, c, d and e
 2. ЦАО ИООИ ТОТ 8008 0Ɔ8Ɔ
 3. ИАƆ:|FAN ИЭН:|HEN $\frac{WOKE}{MORE}$

Exercise 8C




2. a, e and f

Exercise 8D

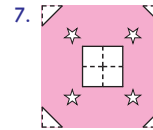
1. a. 16, 19, 22, 25 b. 64, 32, 16, 8

2. a. 24 b. 20 c. 30
 3. a. $1234 \times 8 + 4 = 9876$ b. $123 \times 9 + 4 = 1111$
 $12345 \times 8 + 5 = 98765$ $1234 \times 9 + 5 = 11111$
 c. $987 \times 9 + 5 = 8888$, $9876 \times 9 + 4 = 88888$
 4. a. 333, 5 b. 555, 5, 277775

Learning Logs

1. a, d, e, f and g 3. a
 4. a.  b.  c. 
 5. a. $8000 + 1000 = 9000$ b. $6666 \times 6 = 39996$
 $80000 + 10000 = 90000$ $66666 \times 6 = 399996$
 c. $24000 \div 8 = 3000$, $240000 \div 8 = 30000$

6. a and c



Mental Maths

1. a 2. d 3. c

HOTS

1. a. Scalene Triangle b. Isosceles Triangle
 c. Rectangle d. Square (Answer may vary)

Chapter 9: Measurement

Warm Up

1. a. cm b. m c. m d. km
 2. a. g b. kg c. kg d. g
 3. a. L b. mL

Exercise 9A

1. a. 8000 m b. 12000 m c. 24000 m d. 96000 m
 e. 8417 m f. 26042 m g. 56018 m h. 13005 m
 2. a. 130 dm b. 150 dm c. 390 dm d. 4120 dm
 e. 128 dm f. 199 dm g. 1092 dm h. 35 dm
 3. a. 900 cm b. 1500 cm c. 6300 cm d. 15000 cm
 e. 1640 cm f. 1782 cm g. 3005 cm h. 562 cm
 4. a. 100 mm b. 500 mm c. 290 mm d. 1800 mm
 e. 163 mm f. 258 mm g. 358 mm h. 41 mm

Exercise 9B

1. a. 8 cm 5 mm b. 10 cm 5 mm c. 6 cm 3 mm d. 9 cm 5 mm
 2. a. 6 m 85 cm b. 3 m 5 cm c. 9 m 25 cm d. 7 m 98 cm
 e. 5 m 68 cm f. 4 m 9 cm g. 66 m 66 cm h. 23 m 33 cm
 3. a. 8 km b. 15 km c. 79 km d. 45 km
 4. 9 m 490 mm
 5. a. 8 km 586 m b. 7 km 816 m c. 7 km 756 m d. 7 km 242 m
 e. 6 km 992 m

Exercise 9C

1. a. 46 km 279 m b. 270 m 34 cm c. 81 cm 3 mm
 2. a. 28 m 21 cm b. 79 m 33 cm c. 72 km 120 m d. 66 km 139 m
 3. a. 8 km 752 m b. 34 m 5 cm c. 142 km 276 m
 4. a. 8 m 20 cm b. 576 m 78 cm c. 38 km 879 m d. 29 km 795 m
 5. 8 m 74 cm 6. 95 km 248 m 7. 11 km 646 m
 8. 2232 km 500 m

Exercise 9D

1. a. 9000 g b. 26000 g c. 215000 g d. 320000 g
 e. 8232 g f. 18020 g g. 19006 g h. 55350 g
 2. a. 8000 mg b. 45000 mg c. 750000 mg d. 945000 mg
 e. 8370 mg f. 15013 mg g. 150009 mg h. 14203 mg
 3. a. 9100 g b. 20400 g
 4. Anu's cat: 5000 g, Leena's cat: 3250 g



Exercise 9E

- a. 7 kg b. 9 kg c. 26 kg d. 48 kg
- a. 6 kg 300 g b. 4 kg 323 g c. 5 kg 908 g d. 3 kg 65 g
- a. 5 g 605 mg b. 6 g 463 mg c. 5 g 897 mg d. 27 g 980 mg
e. 78 g 970 mg f. 44 g
- a. Vitamin A: 5190 mg, Vitamin B: 1253 mg, Vitamin C: 1490 mg
b. Vitamin A: 3956 mg, Vitamin B: 2990 mg, Vitamin C: 4530 mg
c. Vitamin A: 4082 mg, Vitamin B: 1006 mg, Vitamin C: 1013 mg

Exercise 9F

- a. 587 kg 204 g b. 421 kg 554 g c. 739 kg 801 g
- a. 62 kg 614 g b. 54 kg c. 94 kg 479 g
d. 501 g 420 mg
- a. 65 kg 231 g b. 162 kg 935 g c. 104 kg 175 g
- a. 2 kg 16 g b. 40 kg 666 g c. 11 g 701 mg
d. 22 kg 885 g
- a. 11 kg 675 g b. Banana and Kiwi
c. Apple and Banana d. 79 kg 885 g

Exercise 9G

- a. 26000 L b. 30000 L c. 156000 L d. 12470 L
e. 63065 L f. 315008 L
- a. 13000 mL b. 16000 mL c. 11000 mL d. 15350 mL
e. 26050 mL f. 116580 mL
- a. 13 kL b. 12 kL c. 6 kL 352 L d. 2 kL 8 L
- a. 4 L 500 mL b. 8 L 756 mL c. 9 L 767 mL d. 1 L 808 mL
- a. 1000 mL b. 3000 mL c. 4000 mL

Exercise 9H

- a. 98 L 352 mL b. 239 L 735 mL c. 460 L 62 mL
- a. 60 L 950 mL b. 51 L 299 mL c. 97 L 820 mL d. 25 L 521 mL
- a. 43 L 967 mL b. 45 L 216 mL c. 199 L 920 mL
- a. 71 L 20 mL b. 4 L 12 mL c. 18 L 670 mL d. 1 L 922 mL
- a. 1 L 501 mL b. 251 L 700 mL

Learning Logs

- $\frac{1}{4}$, 50, 75 2. 10

- a. 24 m 55 cm b. 26005 mL c. 5 km 377 m d. 40025 g
e. 2 g 8 mg f. 3 kg 141 g g. 14 L 339 mL h. 15040 mg
- a. 264 kg 168 g b. 124 m 61 cm
c. 4 kg 252 g 929 mg d. 51 L 538 mL
- a. 6 kg 791 g b. 12 L 617 mL c. 74 cm 6 mm d. 45 L 977 mL
e. 1 kg 597 g 995 mg f. 15 km 688 m
- Amit: 172 cm, Rajat: 170 cm 4 mm, Sujoy: 168 cm, Mayank: 174 cm 6 mm
Sujoy < Rajat < Amit < Mayank
- 31 L 392 mL 8. 145 kg 670 g

Mental Maths

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

Chapter 10: Perimeter and Area

Warm Up

- $\underline{6}$ cm + $\underline{10}$ cm + $\underline{6}$ cm + $\underline{10}$ cm = $\underline{32}$ cm
- $\underline{12}$ cm + $\underline{8}$ cm + $\underline{12}$ cm + $\underline{8}$ cm = $\underline{40}$ cm
- $\underline{72}$ cm



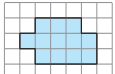
Exercise 10A

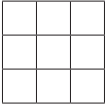
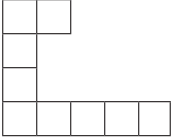
- a. 24 cm b. 28 cm c. 32 cm d. 24 cm e. 26 cm f. 24 cm
- a. 18 cm b. 24 cm c. 16 cm
- a. 80 cm b. 20 m c. 80 cm d. 180 cm
e. 32 cm f. 40 cm
- AD = 12 cm, AB = CD = 5 cm
- Each side of pool = 25 m

- a. 24 cm b. 16 cm c. 20 cm d. 42 cm
7. 44 cm 8. 44 m 9. 48 m

Exercise 10B

- a. ii b. ii c. i
- a. 12 sq. cm b. 9 sq. cm c. 6 sq. cm d. 10 sq. cm
e. 14 sq. cm f. 8 sq. cm g. 19 sq. cm h. 19 sq. cm
i. 13 sq. cm j. 12 sq. cm k. 8 sq. cm

3. a.  b.  c.  (Answer may vary)

4. Yes,   (Answer may vary)
Perimeter = 12 units Perimeter = 20 units

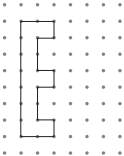
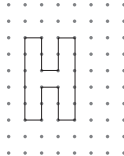
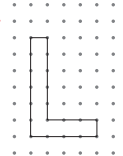
Learning Logs

- a. E b. C c. A, B
- a. 19 cm b. 18 cm c. 25 cm d. 24 cm e. 16 cm f. 20 cm
- a. 20 cm, 16 sq. cm b. 16 cm, 16 sq. cm c. 12 cm, 6 sq. cm
d. 14 cm, 9 sq. cm 5. 16 m

Mental Maths

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









HOTS

1. a.  b.  c. 

- 32 sq. cm

Chapter 11: Time

Warm Up

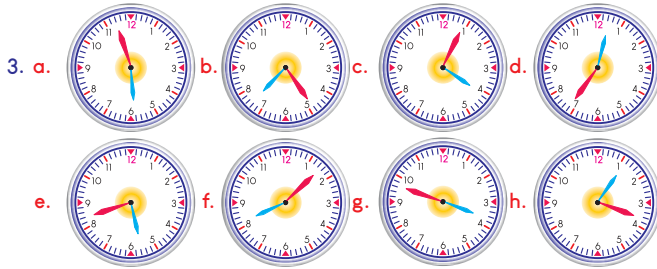
S. No.	Train Number	Arrival Time		Departure Time	
		Clock	Time	Clock	Time
1.	12271		7:30		8:30
2.	22423		10:10		11:10
3.	12446		6:50		7:50
4.	12259		25 minutes past 11		25 minutes past 12

Exercise 11A

- a. → iv b. → v c. → ii d. → i e. → vi f. → iii
- b. 9:13 c. 5:18 d. 2:50
13 minutes past 9 18 minutes past 5 50 minutes past 2
47 minutes to 10 42 minutes to 6 10 minutes to 3



- e. 7:42 f. 9:10 g. 6:37
 42 minutes past 7 10 minutes past 9 37 minutes past 6
 18 minutes to 8 50 minutes to 10 23 minutes to 7
 h. 11 : 11, 11 minutes past 11, 49 minutes to 12



Exercise 11B

1. a. a.m. b. a.m. c. p.m. d. p.m. e. p.m. f. p.m.
 2. a. 6:00 a.m. b. 11:15 p.m. c. 7:10 p.m. d. 1:30 p.m.
 e. 2:50 a.m. f. 11:55 p.m. g. 5:45 p.m. h. 6:32 a.m.
 3. a. 6:40 a.m. b. 12:00 noon c. 11:30 p.m. d. 11:15 a.m.
 e. 4:05 p.m. f. 1:00 a.m.
 4. a. 3:05 p.m. b. 5:15 a.m. c. 7:00 p.m. d. 12:00 midnight
 e. 9:30 a.m. f. 6:40 p.m.
 5. a. 12:40 p.m., 2:40 p.m. b. 2:10 a.m., 6:10 a.m.

Exercise 11C

1. a. → iii b. → iv c. → i d. → ii e. → vi f. → v
 2. a. 03:34 hours b. 16:50 hours c. 19:30 hours d. 10:00 hours
 e. 24:00 hours f. 18:34 hours
 3. a. 04:20 p.m. b. 06:57 p.m. c. 08:20 p.m. d. 04:30 a.m.
 e. 10:00 p.m. f. 08:08 a.m.
 4. a. Rachna had dinner at 7:45 p.m.
 b. A bus leaves Delhi at 1:30 p.m.
 c. Anand left home at 11:25 a.m.
 d. Golu reached Agra at 8:10 p.m.
 e. A hawker starts distributing newspapers at 6:35 a.m.

Exercise 11D

1. a. 75 b. 75 c. 90 d. 165
 2. a. 9:20 a.m. b. 1:28 p.m. c. 9:17 a.m. d. 12:34 a.m.
 e. 10:16 p.m.
 3. a. 1 hour 45 minutes b. 1 hour 45 minutes
 c. 3 hours 20 minutes d. 8 hours
 e. 3 hours 45 minutes f. 55 minutes
 g. 5:20 p.m. h. 4:00 p.m.

Exercise 11E

2. a. April b. 366 c. 30 d. 7
 3. a. Yes b. Yes c. No d. No e. Yes f. No
 g. Yes h. No i. Yes j. Yes
 4. a. 95 days b. 6th January c. 152 days d. 15th July 2017
 e. 27 days

Exercise 11F

1. a. 72 h b. 120 h c. 180 h d. 225 h
 e. 207 h f. 144 h g. 78 h h. 66 h
 2. a. 420 min b. 450 min c. 240 min d. 495 min
 e. 547 min f. 324 min g. 1120 min h. 807 min
 3. a. 900 s b. 1200 s c. 498 s d. 550 s
 e. 1534 s f. 1095 s g. 460 s h. 3492 s

Exercise 11G

1. a. 53 min 55 s b. 29 min 38 s c. 58 min 18 s d. 46 min 5 s
 e. 41 h 51 min 30 s f. 106 h 5 min 8 s
 2. a. 15 h 15 min b. 14 h 58 min c. 4 min 40 s d. 19 h 43 min 54 s

3. 29 h 14 min 4. 1 h 35 min 40 s
 5. Ajay; 15 minutes

Learning Logs

1. a. a.m. b. p.m. c. a.m. d. p.m.
 2. a. 9:10 p.m. b. 19:36 hours c. 09:23 hours d. 12:00 midnight
 e. 4:00 p.m. f. 14:00 hours
 3. b. less than 2 hours c. less than 1 hour
 d. greater than 2 hours e. less than 2 hours
 f. greater than 2 hours g. greater than 6 hours
 h. greater than 5 hours i. less than 5 hours
 j. greater than 7 hours
 4. a. 24 h 58 min b. 43 min 16 s c. 38 h 14 min
 d. 28 h 20 min 33 s
 5. a. 2 h 49 min b. 18 min 41 s c. 36 s d. 2 min
 6. a. 9:30 p.m. b. 1 h 19 min c. 5:30 p.m. d. 56 days

Mental Maths

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

HOTS

Team	A	B	C	D
Total Time	4 h 3 s	4 h 10 min 29 s	5 h 34 min 29 s	4 h 2 s
Rank	II	III	IV	I

Chapter 12: Money

Warm Up

1. ₹62 2. Week 4 3. Rohit 4. ₹200 note

Exercise 12A

1. Cap; Gloves 2. Socks, Jacket, Muffler 3. Muffler
 4. Jacket, Muffler 5. Socks 6. Pajama

Exercise 12B

1. ₹30 2. Ruby; ₹435 3. ₹5 4. ₹297
 5. ₹384 6. ₹15750 7. ₹85,250 8. ₹50
 9. ₹85 10. ₹15 11. ₹20 12. ₹1228

Exercise 12C

S.No.	Items	Quantity	Rate (₹)	Amount (₹)
1.	Notebooks	6	55	330
2.	Files	8	25	200
3.	Pens	2	60	120
4.	Pencils	12	5	60
Total				710

2. a. Amount spent = ₹148, Amount left = ₹352
 b. Amount spent = ₹135, Amount left = ₹215
 c. Amount spent = ₹170, Amount left = ₹30

Learning Logs

1. a. ₹520 b. ₹610
 2. ₹840 3. ₹1919; ₹81 4. ₹9170 5. ₹68
 6. 29 balls 7. ₹750 8. ₹250

S.No.	Ice cream	Quantity	Rate (₹)	Amount (₹)
1.	Pineapple	2	60	120
2.	Almond praline	1	70	70
3.	Strawberry	3	80	240
4.	Butterscotch	1	100	100
Total				530

S.No.	Ice cream	Quantity	Rate (₹)	Amount (₹)
1.	Chocolate	1	55	55
2.	Tutti frutti	3	75	225
3.	Vanilla sugar free	2	90	180
4.	Pineapple	1	60	60
5.	Butterscotch	2	100	200
Total				720

Mental Maths

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

HOTS

₹ 2,355

Chapter 13: Data Handling**Warm Up**

1. 49 students 2. Save Energy
3. Use Public Transport 4. 13 students 5. 4 students

Exercise 13A

4. a. Cartoons b. 22 children c. Sports and Knowledge
5. a. 330 students b. 10 students c. Novel
6. a. 495 trees b. 120 trees c. 30 trees
d. Mango and Apple trees

Exercise 13B

1. a. Mars b. 14 students c. 8 students
d. False e. Jupiter and Uranus
2. a. Pepperoni b. 175 pizzas c. Tomato d. 50 pizzas
e. 1100 pizzas

Learning Logs

2. a. 8 kites b. Red c. Pink d. 104 kites
3. a. 120 students b. Class IV c. 4 classes
d. 25 students e. 4 buses

Mental Maths

1. c 2. a 3. a

HOTS

1. a. Maths b. English c. Science and S.St.
2. 720

Model Test Paper 2

1. d 2. a 3. b 4. b
5. c 6. b 7. d 8. c
9. b 10. c
11. a. line segment b. ray c. point d. line

	a.	b.	c.	d.
Shape	Square	Hexagon	Octagon	Pentagon
Sides	AB, BC, CD, DA	AB, BC, CD, DE, EF, FA	LX, XW, WV, VU, UT, TS, SM, ML	GH, HI, IJ, JK, KG
Vertices	A, B, C, D	A, B, C, D, E, F	L, X, W, V, U, T, S, M	G, H, I, J, K

13. Diameter = 10 cm
14. a. 2 b. 1, 2 c. 1 d. 12, 8, 6
e. 6
16. a. 7, 4 b. 64, 128 c. 7, 4 d. 11, 16
17. a. 1,200 cm b. 736 cm c. 6,652 m d. 522 mm
e. 8 cm 7 mm f. 5,000 mg g. 6,375 g h. 14 kg 45 g
i. 15,000 mL j. 4 L 5 mL
18. Painting A
19. a. 1 h 15 min b. 6 h 40 min c. ₹245, ₹255

