

Explore Math -Class – 3

Chapter 1 : Exercise 1

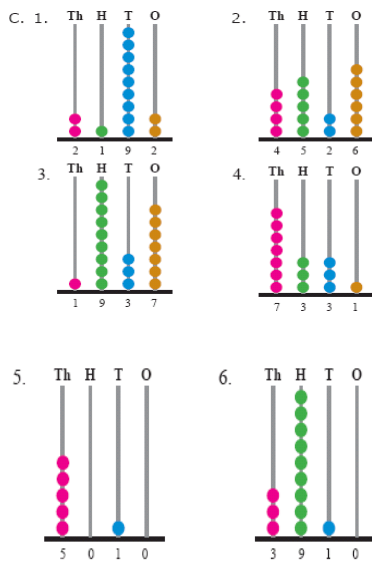
- A. 1. 1 ten 5 ones 2. 1 ten 8 ones
 B. 1. 216, 2. 785 3. 206, 4. 422, 5. 625 6. 502
 C. 1. 253 – tens 2. 725 – ones 3. 459 – tens
 4. 195 – ones 5. 532 – hundreds
 6. 580 – hundreds
 D. 1. $305 = 300 + 0 + 5$ 2. $279 = 200 + 70 + 9$ 3. $519 = 500 + 10 + 9$ 4. $200 = 200 + 0 + 0$ 5. $999 = 900 + 90 + 9$
 6. $724 = 700 + 20 + 4$

Chapter 2 : Exercise 1

- A. 1. 1393, 1395, 1396, 2. 2323, 2324, 2325 3. 4180, 4181, 4182, 4183,
 4. 5224, 5225, 5226, 5227, 5. 6146, 6147, 6148, 6149
 B. 1 - d, 2 - c, 3 - e, 4 - a, 5 - b

Exercise 2

- B. 1. 1000 2. 9999 3. 1111 4. 5000



- D. 1. 2110 – Two thousand one hundred and ten 2. 4315 – Four thousand three hundred and fifteen 3. 5215 – Five thousand two hundred and fifteen 4. 6309 – Six thousand three hundred and nine 5. 3385 – Three thousand three hundred and eighty five 6. 2179 – Two thousand one hundred and seventy nine
 E. 1. 5203 2. 8909 3. 6107 4. 5055 5. 1010
 F. $27000 + 100 + 80 + 2$ 3. $4000 + 800 + 50 + 249000 + 200 + 80 + 9$ 5. $1000 + 900 + 90 + 9$
 G. 2. 1107 3. 6499 4. 3033 5. 2827
 H. 2. 6 3. 80 4. 2 5. 60
 Exercise 3

- A. 1. $>$ 2. $<$ 3. $=$ 4. $<$ 5. $<$ 6. $>$

Exercise 4

- A. 1. $>$ 2. $<$ 3. $>$ 4. $>$ 5. $<$ 6. $<$ 7. $<$
 8. $<$ 9. $<$ 10. $<$
 B. 2. Ascending order: 6091, 6109, 6190, 6910
 Descending order: 6910, 6190, 6109, 60913.
 Ascending order: 1927, 2176, 2345, 3124 Descending order: 3124, 2345, 2176, 19274. Ascending order: 2896, 2986, 3210, 3910 Descending order: 3910, 3210, 2986, 28965. Ascending order: 1100, 1700, 1800, 1900 Descending order: 1900, 1800, 1700, 1100
 C. 1. P - 1909, S - 1911 2. P - 2758, S - 27603. P - 2799, S - 2801 4. P - 4370, S - 4372

Exercise 5

- A. 1. 2322, 4796 B. 1. 4931, 4657

Exercise 6

- A. 1. Place value - 20, Face value - 22. Place value - 900, Face value - 93. Place value - 4, Face value - 44.
 Place value - 1000, Face value - 15. Place value - 100, Face value - 1

Chapter 3 : Exercise 1

- A. 1. XXV 2. XXXII 3. XI 4. LXXIII 5. LVI 6. XLIX 7. LXIV 8. LXXXV
 B. 1. 7 2. 4 3. 15 4. 38 5. 40 6. 50
 C. $6 - 4 = 2$
 D. 1. VIII 2. XXXI 3. VII 4. XCV 5. XXVIII

Chapter 4 : Exercise 1

- A. 2. $193 + 129$ 3. $142 + 7154$ 4. $315 + 436$ 5. $96 + 871$
 B. 2. 218 3. 315 4. 935 5. 0
 C. 1. 398 2. 194 3. 420 4. 1 5. 48

Exercise 2

- A. 1. 77 2. 82 3. 62 4. 71 5. 906. 83 7. 82 8. 75 9. 96
 10. 84

Exercise 3

- A. 1. 668 2. 948 3. 765 4. 936 5. 815 6. 378

Exercise 4

- A. 1. 9890 2. 6895 3. 5372 4. 9561
 B. 1. 8411 2. 4912 3. 8912 4. 7631
 C. 1. 5281 2. 9217 3. 6623 4. 4525
 D. 1. 8658 2. 6591 3. 5353 4. 74785. 4081

Exercise 5

- A. 1. 3488 2. 3230 3. 4830

Chapter 5 : Exercise 1

- A. 1. 210 2. 158 3. 398 4. 0 5. 213

B. 1. 1 2. 0 3. 491 4. 0 5. 1

Exercise 2

A. 1. 14 2. 28 3. 31 4. 34 5. 26 6. 14

B. 1. 20 2. 55 3. 73 4. 43

Exercise 3

A. 1. 204 2. 351 3. 501 4. 1625. 131 6. 412 7. 412 8. 20

Exercise 4

A. 1. 9 2. 6 3. 87 4. 36 5. 146. 48 7. 23 8. 48 9. 613

Exercise 5

A. 1. 4546 2. 3420 3. 2876 4. 62785. 3667 6. 2134

Exercise 6

A. 1. ` 933 2. `1641 3. 130 days 4. 2152 5. 7503

Exercise 7

A. 1. 625 2. 1298 3. 190 4. 1350

Chapter 6 : Exercise 1

A. Factors Products 1. 7,4 282. 5,6 303. 2,8 164. 9,7 635. 1,8 8

B. 1. $6 \times 6 = 30$ 2. $8 + 8 + 8 + 8 + 8 = 403$. $3 \times 3 = 9$ 4. $5 \times 0 = 0$ 5. 4×5

Exercise 2

A. 1. 2, 10 2. 4, 28 3. 5, 45 4. 4, 245. 3, 24 6. 9, 18

B. 1. 0 2. 0 3. 19 4. 0 5. 9 6. 0

Exercise 3

A. 1. 70 2. 50 3. 250 4. 1200 5. 1900

6. 200 7. 90 8. 100 9. 20 10. 400

B. 1. 60 2. 200 3. 210 4. 540 5. 506. 600 7. 2800 8. 1800 9. 4800 10. 1000

C. 1. 10 2. 100 3. 10 4. 100 5. 5306. 36 7. 7 8. 100

Exercise 4

A. 1. 1776 2. 986 3. 2666 4. 24825. 1485 6. 1292

B. 1. 7035 2. 20412 3. 25335 4. 358565. 15563 6. 23408

C. 1. 1925 2. 3600 3. 456 4. 360

43350 6. 1785 7. 98901 8. 35834

Chapter 7 : Exercise 1

A. 1. 4 2. 3 3. 3 4. 6

B. 2. 4 3. 5 4. 2 5. 3

Exercise 2

A. 1. 6 2. 8 3. 4

Exercise 3

A. 1. 212 2. 115 3. 110 4. 132 5. 756. 53 7. 367 8. 85

B. 1. 408 2. 436 3. 414 4. 901 5. 11116. 281

Exercise 4

A. 1. $Q = 61, R = 2$ 2. $Q = 241, R = 13$. $Q = 112, R = 1$ 4.

$Q = 41, R = 15$. $Q = 243, R = 3$ 6. $Q = 104, R = 17$. $Q =$

$189, R = 2$ 8. $Q = 1094, R = 19$. $Q = 726, R = 1$ 10. $Q =$

$435, R = 4$

Exercise 5

A. 1. $Q = 3, R = 0$ 2. $Q = 3, R = 213$. $Q = 5, R = 4$ 4. $Q =$

$11, R = 25$. $Q = 13, R = 3$ 6. $Q = 11, R = 57$. $Q = 66, R =$

18 8. $Q = 235, R = 19$. $Q = 99, R = 11$ 10. $Q = 331, R = 5$

Exercise 6

A. 1. $Q = 7, R = 5$ 2. $Q = 16, R = 03$. $Q = 49, R = 5$ 4. $Q =$

$13, R = 945$. $Q = 2, R = 57$

B. 1. $Q = 129, R = 0$ 2. $Q = 132, R = 53$. $Q = 113, R = 2$

4. $Q = 249, R = 05$. $Q = 13, R = 20$ 6. $Q = 48, R = 12$

C. 1. Y 2. N 3. N 4. N

Exercise 7

A. 1. 16 2. 41 3. 59 4. 54 5. 60

Chapter 8 : Exercise 1

C. 1. 24 2. 410 3. 12 4. 34 5. 38

D. 1. S - 12 U - 12 2. S - 49 U - 59

3. S - 34 U - 14

4. S - 511 U - 6 11 5. S - 24 U - 24

Exercise 2

A. 1. 45 2. 89 3. 611 4. 56 5. 57 6. 34

B. 1. $> 2. > 3. > 4. > 5. < 6. >$

C. 1. 211, 311, 511, 711, 1311 2. 19, 29, 59, 79, 89

D. 1. 59, 49, 39, 29, 19 2. 911, 711, 611, 411, 111

Exercise 3

A. 1. 44 2. 715 3. 43 4. 148

B. 1. 313 2. 211 3. 24 4. 17

C. 1. Not equivalent 2. Equivalent 3. Equivalent 4.

Equivalent

F. 1. 43 2. 89 3. 311 4. 1 5. 13 6. 35

Chapter 9 : Exercise 1

A. 1. 1000 m 2. 20000 cm 3. 120 cm 4. 2450 m 5. 450 mm 6. 745 cm

B. 1. 1000 2. 100 3. 1000

C. 1. 105 centimetres 2. 102 millimetres 3. 4400 metres

4. 1200 millimetres

D. 1. 2 cm 2. 20 mm

Exercise 2

A. 1. $5 \text{ m } 20 \text{ cm} + 9 \text{ m } 75 \text{ cm} = 14 \text{ m } 95 \text{ cm}$ 2. $3 \text{ m } 30$

$\text{cm} + 2 \text{ m } 30 \text{ cm} = 5 \text{ m } 60 \text{ cm}$ 3. $12 \text{ m } 40 \text{ cm} + 1 \text{ m } 70$

$\text{cm} = 14 \text{ m } 10 \text{ cm}$ 4. $4 \text{ m } 45 \text{ cm} + 9 \text{ m } 25 \text{ cm} = 13 \text{ m } 70$

cm 5. $5 \text{ m } 30 \text{ cm} + 2 \text{ m } 90 \text{ cm} = 8 \text{ m } 20 \text{ cm}$ 6. $25 \text{ m } 72$

$\text{cm} + 27 \text{ m } 23 \text{ cm} = 52 \text{ m } 95 \text{ cm}$

B. 1. $28 \text{ m } 20 \text{ cm} - 21 \text{ m } 12 \text{ cm} = 7 \text{ m } 8 \text{ cm}$ 2. $15 \text{ m } 29$

$\text{cm} - 10 \text{ m } 40 \text{ cm} = 4 \text{ m } 89 \text{ cm}$ 3. $3 \text{ m} - 1 \text{ m } 25 \text{ cm} = 1 \text{ m}$

75 cm 4. $20 \text{ m } 45 \text{ cm} - 12 \text{ m } 35 \text{ cm} = 8 \text{ m } 10 \text{ cm}$ 5. 56 m

$45 \text{ cm} - 34 \text{ m } 65 \text{ cm} = 21 \text{ m } 80 \text{ cm}$ 6. $2 \text{ m } 35 \text{ cm} - 1 \text{ m}$

$35 \text{ cm} = 1 \text{ m}$

Exercise 3

A. 1. 38 m 50 cm 2. 54 m 60 cm 3. 193 m 84 cm 4. 332

m 70 cm 5. 191 m 22 cm 6. 3107 m 70 cm 7. 1705 m 84 cm 8. 225 m 30 cm 9. 4582 m 55 cm
B. 1. $245 \text{ m } 45 \text{ cm} \div 5 = 49 \text{ m } 9 \text{ cm}$ 2. $132 \text{ m } 64 \text{ cm} \div 2 = 66 \text{ m } 32 \text{ cm}$ 3. $237 \text{ m } 90 \text{ cm} \div 3 = 79 \text{ m } 30 \text{ cm}$ 4. $164 \text{ m } 36 \text{ cm} \div 4 = 41 \text{ m } 9 \text{ cm}$ 5. $454 \text{ m } 80 \text{ cm} \div 8 = 56 \text{ m } 85 \text{ cm}$
C. 1. 10 m 60 cm 2. 9 m 56 cm 3. 1 m 64 cm 4. 9 cm 5. 75 cm

Chapter 10 : Exercise 1

A. 1. grams 2. grams 3. kilograms 4. grams 5. tonnes 6. grams 7. grams

Exercise 2

A. 1. 1 kg 200 g 2. 1 kg 600 g 3. 2 kg 4. 3 kg 500 g 5. 3 kg 70 g

B. 1. 3350 g 2. 4200 g 3. 23215 g 4. 10000 g 5. 125400 g

Exercise 3

A. 1. 57 kg 650 g 2. 8 kg 558 g 3. 30 kg 548g
4. 75 kg 765 g 5. 81 kg 860 g

B. 1. 2 kg 75 g 2. 3 kg 775 g 3. 1 kg 125 g 4. 1 kg 140 g
5. 5 kg 700 g

Exercise 4

A. 1. 15 kg 2. 138 kg 3. 18 kg 4. 463 kg 75 g 5. 492 kg
104 g 6. 198 kg 750 g

7. 15 kg 300 g 8. 322 kg 200 g

9. 24 kg 914 g 10. 268 kg 415 g

B. 1. 6 kg 100 g 2. 11 kg 011 g 3. 9 kg 140 g 4. 25 kg
019 g 5. 71 kg 100g

C. 1. 194 kg 2. 8 kg 3. 1800 g 4. 10 g, 11 g, 23 g, 84 g,
125 g 5. 1000 crayons 6. 1500 g 7. 340 g 8. 60 kg

Chapter 11 : Exercise 1

A. 1. 4 l 357 ml 2. 9952 ml 3. 1281 ml 4. 1760 ml 5.
7239 ml 6. 6 l 744 ml 7. 3 l 852 ml 8. 2671 ml 9. 3245
ml

10. 2453 ml

Exercise 2

A. 1. 6 l 700 ml 2. 35 l 450 ml 3. 26 l 380 ml 4. 17 l 016
ml 5. 58 l 250 ml 6. 20 l 385 ml 7. 86 l 215 ml 8. 30 l
150 ml 9. 36 l 005 ml 10. 29 l 605 ml

B. 1. 9 l 100 ml 2. 1 l 113 ml 3. 9 l 200 ml 4. 40 l 290 ml
5. 9 l 810 ml 6. 32 l 900 ml 7. 11 l 100 ml 8. 14 l 900 ml

9. 9 l 50 ml 10. 12 l 120 ml

Chapter 12 : Exercise 1

A. 1. 1.15 2. 4.45 3. 7.15 4. 5.15

B. 1. 3.35 2. 8.55 3. 12.40 4. 10.05 5. 5.25 6. 7.10 7.
1.15 8. 2.45 9. 6.20

Exercise 2

A. 1. 15.30 hrs 2. 4.15 hrs 3. 5.45 hrs 4. 23.00 hrs 5.
19.10 hrs 6. 9.45 hrs

B. 1. 8.15 a.m. 2. 8.45 p.m. 3. 7.15 a.m. 4. 5.45 a.m. 5.
5.00 p.m.

Exercise 3

A. 1. 60 seconds 2. 60 minutes 3. 24 hours 4. 7 days 5.
12.00 hours 6. 12.00 hours 7. a.m., p.m. 8. 31 days 9.
28 days 10. 29 days 11. 31 days 12. 31 days 13. 31 days
14. 30 days 15. 52 weeks 16. 365 days 17. 366 days 18.
10 years 19. 100 years

B. 1. Thursday 2. 30 days 3. Monday 4. 41 days

5. 11 days 6. 2nd, 9th, 16th, 23rd and 30th

7. 3, 10, 17 and 24 8. 5 Sundays

9. 5 Wednesdays 10. Sunday 11. Thursday 12. 3rd 13.
11th

C. 1. 1998 – Not a leap year 2. 2000 – A leap year 3.
1990 – Not a leap year 4. 2004 – A leap year 5. 2010 –
Not a leap year

D. 1. April 2. August 3. December 4. February 5.

January 6. July 7. June 8. March 9. May 10. November

11. October 12. September

Chapter 13 : Exercise 1

A. 1. ₹ 79.75 2. ₹ 3.50 3. ₹ 120.00 4. ₹ 230.45

B. 1. Fifty rupees and fifty paise 2. Twenty three
rupees and seventy five paise 3. Three hundred and
one rupee 4. Ninety seven rupees and twenty five
paise 5. Fourteen rupees and five paise

C. 1. 500 p 2. 725 p 3. 1350 p 4. 12320 p 5. 85 p

D. 1. Rs 1.23 2. Rs 8.05 3. Rs 12.15 4. Rs 0.72 5. Rs
13.94

Exercise 2

A. 1. 47.85 2. 70.60 3. 69.51 4. 165.40 5. 349.78 6.
39.31

B. 1. 28.05 2. 14.70 3. 96.09 4. 31.40 5. 200.25 6.
514.75

Exercise 3

A. 1. 75 2. 54 3. 81.75 4. 246 5. 123.0

6. 214.00 7. 1737.45 8. 1470.49 9. 0.75 10. 588.24

B. 1. 10.60 2. 10.85 3. 20.11 4. 25.12 5. 91.00 6.
103.51 7. 17 8. 80.91 9. 77.33 10. 13.76

C. a. 149.99 b. 73.50 c. 149.00 d. 74.50 2. a. 38 b.

16.50 d. 156 e. 2.00

Chapter 14 : Exercise 1

A. 1. a. 4 students b. 12 students 2. a. sports b. 12
students 3. b. 12 c. 5 d. 13 e. 34. a. 20 b. 15 5. a. 20
votes b. 8

Chapter 15 : Exercise 2

A. 1. line segment DB 2. line segment MN 3. line segment XY 4. line segment AB
B. 1. Ray QR 2. Line UV 3. Line CD
4. Point L 5. Line HI 6. Ray XY

7. Segment NO 8. Ray KJ

Chapter 16 : Exercise 2

A. 1. 11 2. 12 3. 64 4. 66 5. 196 6. 24 7. 30 8. 77, 88, 99
9. 127 10. 63 11. 44 12. 43