EXERCISE # 1

> **MULTIPLE CHOICE QUESTIONS**

Q.1 5.5 km is equal to
(A) 5.5 hm   (B) 0.55 hm
(C) 550 hm   (D) 55 hm

Q.2 0.8 g is equal to
(A) 8 dg   (B) 0.8 dag
(C) 8 hg   (D) none of these

Q.3 16 mℓ is equal to
(A) 1600 ℓ (B) 16 ℓ
(C) 1.6 cℓ (D) none of these

Q.4 0.088 ÷ 2.2 is equal to
(A) 4   (B) 0.4
(C) 0.04   (D) none of these

Q.5 0.8007 × 1000 is equal to
(A) 800.7   (B) 8.007
(C) 8007.0   (D) none of these

Q.6 The value of 25.75 ÷ 100 is equal to
(A) 2.575   (B) 257.5
(C) 0.2575   (D) none of these

Q.7 The value of 2.2 × 0.2 × 0.001 is equal to
(A) 4.2   (B) 0.00044
(C) 4.4   (D) none of these

Q.8 If 14 × 4 = 56 then value of 0.14 × 4 is
(A) 5.6   (B) 0.056
(C) 0.56   (D) none of these

Q.9 0.35 × 0.2 is equal to
(A) 7.0   (B) 0.7
(C) 70.0   (D) 0.070

Q.10 If 256 ÷ 16 = 16 then value of 2.56 ÷ 16 is equal to
(A) 1.6   (B) 16.0
(C) 0.16   (D) none of these

Q.11 _____ is improper fraction
(A) $\dfrac{4}{7}$ (B) $\dfrac{7}{4}$ (C) $\dfrac{5}{7}$ (D) $\dfrac{9}{11}$

Q.12 The fraction in which the numerator is less than the denominator is called _____ fraction
(A) like   (B) unlike
(C) improper   (D) proper

Q.13 The value of product of two proper fractions is always_____ than each of the fractions.
(A) greater   (B) equal
(C) less   (D) none of these

Q.14 The reciprocal of $\dfrac{3}{7}$ is
(A) $\dfrac{7}{3}$ (B) $2\dfrac{1}{3}$
(C) (A) and (B) both   (D) none of these

Q.15 $\dfrac{5}{7}$ of a week is ___ days
(A) 5 days   (B) 7 days
(C) 2 days   (D) none of these

Q.16 7.235 kg is equal to _____
(A) 72.35 gm   (B) 7235 gm
(C) 0.7235 gm   (D) none of these

Q.17 7204 m is equal to _____
(A) 7.204 km   (B) 72.04 km
(C) 0.7204 km   (D) none of these

Q.18 1245 ÷ 100 is equal to _____
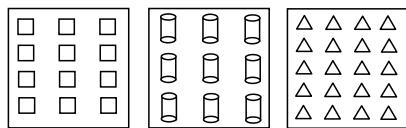(A) 12.45   (B) 1.245
(C) 124.5   (D) none of these

> **SHORT ANSWERS TYPE QUESTIONS**

Q.19 Write the fraction for each of the following figures

(i)   (ii)

(iii)   (iv)

(iii) $4 \times \dfrac{2}{4}$ (c)

(iv) $2 \times \dfrac{1}{3}$ (d)
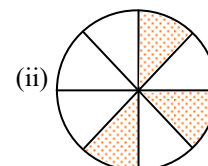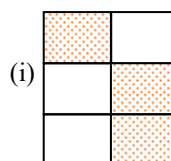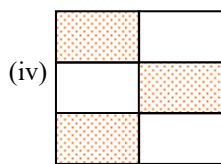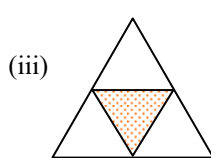
Q.20 Shade/colour on the basis of given fractions below :

(i) $\dfrac{1}{6}$ Part   (ii) $\dfrac{1}{3}$ Part   (iii) $\dfrac{1}{4}$ Part

Q.21 Simplify the following :

(i) $3 + \dfrac{4}{5}$ (ii) $7 + \dfrac{6}{9}$ (iii) $\dfrac{5}{6} + \dfrac{2}{7}$

(iv) $5 - \dfrac{2}{3}$ (v) $\dfrac{3}{10} + \dfrac{2}{5} + \dfrac{1}{2}$ (vi) $3\dfrac{2}{5} - 4\dfrac{3}{7}$

` (vii) $5\dfrac{3}{7} + 4\dfrac{1}{2} + 7\dfrac{3}{7}$ (viii) $9\dfrac{1}{2} + 8\dfrac{2}{7}$

Q.22 Arrange the following fractions in ascending order :

(i) $\dfrac{3}{4}, \dfrac{5}{12}, \dfrac{2}{3}$ (ii) $\dfrac{1}{3}, \dfrac{2}{9}, \dfrac{4}{6}, \dfrac{7}{9}$

(iii) $\dfrac{4}{9}, \dfrac{5}{3}, \dfrac{5}{21}$ (iv) $\dfrac{3}{20}, \dfrac{7}{15}, \dfrac{7}{10}$

Q.23 Use signs >, <, = in the following boxes :

(i) $\dfrac{1}{2} \square \dfrac{3}{8}$ (ii) $\dfrac{9}{10} \square \dfrac{3}{5}$

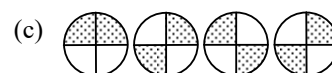(iii) $1\dfrac{4}{5} \square 1\dfrac{1}{10}$ (iv) $\dfrac{2}{3} \square \dfrac{16}{24}$

Q.24 Multiply and write the following in simplest form :

(i) $9 \times \dfrac{7}{8}$ (ii) $3 \times \dfrac{1}{4}$ (iii) $5 \times \dfrac{6}{7}$

(iv) $4 \times \dfrac{5}{2}$ (v) $\dfrac{7}{2} \times 6$ (vi) $14 \times \dfrac{1}{7}$
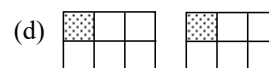
Q.25 Match the following :

(i) $3 \times \dfrac{2}{3}$ (a)

(ii) $2 \times \dfrac{1}{6}$ (b)

Q.26 Multiply and give the answer in the lowest term.

(i) $7 \times 4\dfrac{1}{2}$ (ii) $14 \times 3\dfrac{1}{2}$

(iii) $1\dfrac{5}{14} \times 35$ (iv) $\dfrac{1}{3}$ of 21

Q.27 Find :

(i) $\dfrac{1}{6}$ of 24 = ...   (ii) $\dfrac{1}{9}$ of 36 = ...

(iii) $\dfrac{7}{8}$ of 96 = ...

Q.28 Ankita organised a picnic and invited $\dfrac{1}{6}$ of all her classmates. If $\dfrac{1}{2}$ of the classmates invited were girls, find how many boys were there at Ankita's picnic, if there were 60 students in her class.

Q.29 Simplify the following :

(i) $\dfrac{1}{3} \times \dfrac{1}{3}$ (ii) $\dfrac{1}{5} \times \dfrac{1}{5}$ (iii) $\dfrac{2}{9} \times \dfrac{7}{12}$

(iv) $\dfrac{6}{17} \times \dfrac{34}{50}$ (v) $\dfrac{3}{5} \times \dfrac{20}{7}$ (vi) $\dfrac{1}{6}$ of $\dfrac{1}{7}$

(vii) $\dfrac{3}{11}$ of $\dfrac{33}{55}$ (viii) $\dfrac{7}{56}$ of $\dfrac{8}{89}$

Q.30 Multiply and write the following in simplest form :

(i) $\dfrac{5}{7} \times \dfrac{3}{15}$ (ii) $\dfrac{9}{11} \times \dfrac{33}{8}$ (iii) $\dfrac{11}{5} \times \dfrac{15}{66}$

(iv) $\dfrac{1}{13} \times \dfrac{39}{14}$ (v) $\dfrac{11}{3} \times \dfrac{3}{10}$

Q.31 Simplify the following :

(i) $\dfrac{3}{5}$ of $\dfrac{7}{9}$ (ii) $\dfrac{13}{19}$ of $\dfrac{11}{17}$ (iii) $\dfrac{19}{21}$ of $\dfrac{13}{23}$

(iv) $\dfrac{31}{19}$ of $\dfrac{17}{7}$ (v) $\dfrac{11}{13}$ of $\dfrac{9}{5}$

Q.32 Complete the following :

(i) $\dfrac{2}{5} \times \dfrac{\square}{2} = \dfrac{10}{10} = \square$ (ii) $\dfrac{9}{11} \times \dfrac{11}{\square} = \dfrac{99}{\square} = 1$

(iii) $\dfrac{\square}{\square} \times \dfrac{3}{5} = \dfrac{\square}{15} = 1$ (iv) $\dfrac{3}{5} \times \dfrac{\square}{3} = \dfrac{15}{15} = \square$

(v) $\dfrac{4}{5} \times \dfrac{5}{\square} = \dfrac{\square}{\square} = 1$ (vi) $\dfrac{2}{9} \times \dfrac{\square}{2} = \dfrac{\square}{18} = 1$

Q.33 Find the multiplicative inverse (reciprocal) of each of the following :

(i) $\dfrac{7}{15}$ (ii) $6\dfrac{1}{4}$ (iii) $\dfrac{1}{7}$

(iv) $\dfrac{17}{7}$ (v) $\dfrac{27}{4}$

Q.34 Find the quotient of the following divisions :

(i) $\dfrac{4}{5} \div 6$ (ii) $\dfrac{2}{3} \div 8$

(iii) $15 \div \dfrac{3}{7}$ (iv) $\dfrac{7}{8} \div 16$

Q.35 Find :

(i) $4 \div 3\dfrac{1}{3}$ (ii) $9 \div 3\dfrac{4}{7}$

(iii) $11 \div 7\dfrac{1}{2}$ (iv) $13 \div 2\dfrac{1}{5}$

Q.36 Rohan caught 5 fishes. Their total weight was $7\dfrac{1}{2}$ kg. If all fishes have equal weight, find the weight of one fish.

Q.37 Divide :

(i) $\dfrac{8}{9}$ by $\dfrac{2}{3}$ (ii) $\dfrac{7}{8}$ by $\dfrac{5}{6}$

(iii) $\dfrac{3}{4}$ by $\dfrac{3}{4}$ (iv) $\dfrac{7}{13}$ by $\dfrac{1}{4}$

Q.38 Find the quotient in each of the following :

(i) $7\dfrac{1}{2} \div 1\dfrac{1}{2}$ (ii) $3\dfrac{2}{3} \div 2\dfrac{1}{2}$

(iii) $3\dfrac{1}{2} \div 1\dfrac{3}{4}$ (iv) $1\dfrac{1}{4} \div 8\dfrac{3}{8}$

Q.39 Which of the following are true, write T in the box otherwise write F ?

(i) $\dfrac{2}{3} \div \dfrac{5}{6} = \dfrac{4}{5}$ $\square$

(ii) $\dfrac{7}{8} \div \dfrac{1}{6} = 4\dfrac{1}{5}$ $\square$

(iii) $1\dfrac{3}{4} \div \dfrac{1}{4} = \dfrac{1}{7}$ $\square$

Q.40 Sheela's mother bought $\dfrac{3}{4}$ kg of toffees. She distributed the toffees to some children. If each child was given $\dfrac{1}{8}$ kg toffees, find how many children were distributed the toffees ?

Q.41 How many boards of length $1\dfrac{1}{2}$ feet can be cut from a piece of a wooden log that measures $22\dfrac{1}{2}$ feet in length ?

Q.42 Fill in the blanks using the properties of division.

(i) $\dfrac{13}{27} \div 1 = \square$

(ii) $3\dfrac{5}{7} \div \square = 3\dfrac{5}{7}$

(iii) $0 \div \dfrac{7}{11} = \square$ (v) $\square \div \dfrac{19}{27} = 0$

(iv) $0 \div \square = 0$

ANSWER KEY

1. D	**2.** A	**3.** C	**4.** C	**5.** A	**6.** C
7. B	**8.** C	**9.** D	**10.** C	**11.** B	**12.** D
13. C	**14.** C	**15.** A	**16.** B	**17.** A	**18.** A

19. (i) $\dfrac{3}{6} = \dfrac{1}{2}$ (ii) $\dfrac{3}{8}$ (iii) $\dfrac{1}{4}$ (iv) $\dfrac{3}{6} = \dfrac{1}{2}$

21. (i) $\dfrac{19}{5}$ (ii) $\dfrac{23}{3}$ (iii) $\dfrac{47}{42}$ (iv) $\dfrac{13}{3}$ (v) $\dfrac{6}{5}$ (vi) $-\dfrac{36}{35}$ (vii) $\dfrac{243}{14}$ (viii) $\dfrac{249}{14}$

22. (i) $\dfrac{5}{12} < \dfrac{2}{3} < \dfrac{3}{4}$ (ii) $\dfrac{2}{9} < \dfrac{1}{3} < \dfrac{4}{6} < \dfrac{7}{9}$ (iii) $\dfrac{5}{21} < \dfrac{4}{9} < \dfrac{5}{3}$ (iv) $\dfrac{3}{20} < \dfrac{7}{15} < \dfrac{7}{10}$

23. (i) > (ii) > (iii) > (iv) =

24. (i) $\dfrac{63}{8}$ (ii) $\dfrac{3}{4}$ (iii) $\dfrac{30}{7}$ (iv) 10 (v) 21 (vi) 2

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

26. $\dfrac{63}{2}$ (ii) 49 (iii) $\dfrac{95}{2}$ (iv) 7

27. (i) 4 (ii) 4 (iii) 84

28. 5 boys

29. (i) $\dfrac{1}{9}$ (ii) $\dfrac{1}{25}$ (iii) $\dfrac{7}{54}$ (iv) $\dfrac{6}{25}$ (v) $\dfrac{12}{7} = 1\dfrac{5}{7}$ (vi) $\dfrac{1}{42}$ (vii) $\dfrac{9}{55}$ (viii) $\dfrac{1}{89}$

30. (i) $\dfrac{1}{7}$ (ii) $\dfrac{27}{8} = 3\dfrac{3}{8}$ (iii) $\dfrac{1}{2}$ (iv) $\dfrac{3}{14}$ (v) $\dfrac{11}{10} = 1\dfrac{1}{10}$

31. (i) $\dfrac{7}{15}$ (ii) $\dfrac{143}{323}$ (iii) $\dfrac{247}{483}$ (iv) $\dfrac{527}{133}$ (v) $\dfrac{99}{65}$

32. (i) 5, 1 (ii) 9, 99 (iii) 5, 3, 15 (iv) 5, 1 (v) 4, 20, 20 (vi) 9, 18

33. (i) $\dfrac{15}{7}$ (ii) $\dfrac{4}{25}$ (iii) 7 (iv) $\dfrac{7}{17}$ (v) $\dfrac{4}{27}$

34. (i) $\dfrac{2}{15}$ (ii) $\dfrac{1}{12}$ (iii) 35 (iv) $\dfrac{7}{128}$

35. (i) $1\dfrac{1}{5}$ (ii) $2\dfrac{13}{25}$ (iii) $1\dfrac{7}{15}$ (iv) $5\dfrac{10}{11}$

36. $1\dfrac{1}{2}$ kg

37. (i) $\dfrac{4}{3}$ (ii) $\dfrac{21}{20} = 1\dfrac{1}{20}$ (iii) 1 (iv) $\dfrac{28}{13} = 2\dfrac{2}{13}$

38. (i) 5 (ii) $\dfrac{22}{15} = 1\dfrac{7}{15}$ (iii) 2 (iv) $\dfrac{10}{67}$

39. (i) T   (ii) F   (iii) F

40. 6 children   **41.** 15 boards

42. (i) $\dfrac{13}{27}$ (ii) 1   (iii) 0   (iv) $\dfrac{0}{0}$ is not defined   (v) 0

EXERCISE # 2

Q.1 Ramesh can iron a shirt in $4\dfrac{3}{4}$ minutes, how long will he take to iron 16 shirts ?

Q.2 A bags of flour weighs $35\dfrac{1}{4}$ kg. What is the weight of 105 bags ?

Q.3 A cook adds $4\dfrac{3}{7}$ cups of water to a stew. If the cup holds $\dfrac{3}{14}$ of a litre, how many litres of water were added ?

Q.4 It takes $3\dfrac{1}{4}$ minutes for a cub scout to clean a pair of shoes. If he cleans 36 pairs of shoes to raise money for a charity, how long does he spend to this job ?

Q.5 A pharmacist counts 24 tablets and put them into a bottle. Each tablet weighs $\dfrac{1}{4}$ of a gram and the weight of the bottle is $112\dfrac{1}{2}$ grams. What is the total weight ?

Q.6 A car travels $5\dfrac{1}{4}$ km north, then $2\dfrac{1}{2}$ km west and finally $4\dfrac{3}{8}$ km north. What is the total distance travelled (in kilometers) ? What fraction of the journey was travelled in a northerly direction ?

Q.7 State whether each of the following statements is true or false :

(i) $\dfrac{1}{2} \times \dfrac{2}{3} + \dfrac{1}{3} = \dfrac{2}{3}$

(ii) $\dfrac{1}{4} \div \dfrac{3}{4} + \dfrac{1}{2} = \dfrac{1}{3} + \dfrac{1}{2}$

(iii) $\dfrac{1}{2} + \dfrac{1}{4} \div \dfrac{1}{2} = \dfrac{3}{4} \times \dfrac{2}{1}$

Q.8 Simplify each of the following :

(i) $\dfrac{4}{5} - \dfrac{3}{10} \div \dfrac{1}{2}$

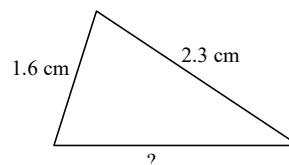(ii) $\dfrac{4}{5} + \dfrac{3}{10} \times \dfrac{2}{9}$

Q.9 Write each of the following decimals in words :
(i) 7.26   (ii) 247.893
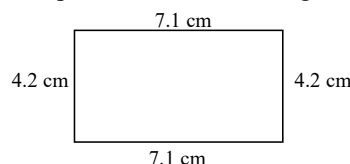(iii) 240.004   (iv) 9.007

Q.10 Simplify each of the following :
(i) 4.032 – 3.947 – 3.472 + 0.943
(ii) 9.069 – 10.2 + 12.321 – 27.957

Q.11 In the given figure the perimeter (the distance all round) of the triangle is 6.5 cm. What is the length of third side ?

Q.12 Find the perimeter of the rectangle shown in fig.

Q.13 A piece of webbing is 17.6 m long. If 2.37 m is cut off, how much is left ?

Q.14 The bill for three meals was ├1443.90. The first meal costs ├338.30 and the second ├645.75. What was the cost of the third ?

Q.15 Fill in the blanks :
(i) 3.432 × 6 = ...
(ii) 1.07 × 1 × 3 = ...
(iii) 1.26629 × 9 = ...

Q.16 Find the following products :
(i) 512 × 0.947
(ii) 756.329 × 6.3429 × 0
(iii) 26.004 × 45

Q.17 Fill in the blanks :
(i) 2.45 × 10 = ...
(ii) 7.2 × 10 = ...
(iii) 19.25 × 100 = ...

Q.18 Find the multiplier :
(i) 17.03 × .... = 17030
(ii) 92.125 × .... = 92125
(iii) 7.25 × .... = 725

Q.19 Find the multiplicand :
(i) .... × 100 = 621.6
(ii) .... × 1000 = 245.7
(iii) .... × 10 = 240.7

Q.20 Multiply the decimal numbers with the given powers of 10.

S. No.	Number	10	10^2	10^3
(i)	6.943			
(ii)	76.001			
(iii)	0.0029			

Q.21 If the length of side of a square is 14.32 cm, then find (i) area (ii) perimeter.

Q.22 The length of a side of a regular 6-sided polygon (hexagon) is 10.9 cm. Find the perimeter of the polygon.

Q.23 Add 3.42 and 6.409 and multiply the result by 2.3.

Q.24 Take 9.632 from 11 and multiply the result by 11.

Q.25 The cost of 1 metre water pipe is ⊦ 5.80. What will be the cost of 8.5 metres of the pipe ?

Q.26 A bottle holds 0.750 ℓ of a cold drink. How much of cold drink will be there in 21 such bottles ?

Q.27 A litre of milk costs ⊦ 15.25. What will be the cost of 100 litres of milk ?

Q.28 Sheela brought 5.5 ℓ of oil. If each litre costs ⊦73.50. How much did she spend ?

Q.29 Find the quotient in each of the following :
(i) 2.16 ÷ 9   (ii) 2.25 ÷ 15   (iii) 319.2 ÷ 288

Q.30 Divide the following :
(i) 98.01 ÷ 10   (ii) 32.24 ÷ 1000
(iii) 300.4 ÷ 100

Q.31 Fill in the blanks :
(i) 79.84 ÷ ☐ = 0.7984
(ii) 125.1 ÷ ☐ = 1.251
(iii) 2593.7 ÷ ☐ = 2.5937

Q.32 Divide the following :
(i) 0.1008 ÷ 0.9   (ii) 20.28 ÷ 0.26

Q.33 Divide the following :
(i) 83.4412 ÷ 0.8   (ii) 0.2136 ÷ 0.006

Q.34 Divide each of the following :
(i) $\dfrac{0.2 \times 0.6}{0.4}$

(ii) $\dfrac{3.2}{4 \times 0.002}$

(iii) $\dfrac{0.9 \times 4 \times 9.6}{7.2}$

Q.35 15 slabs of milky bar weigh 5.652 kg. How much does each slab weight ?

Q.36 If 15 pencil boxes cost ⊦ 190.80. What is the cost of one pencil box ?

Q.37 The total cost of 68 tape recorders is ⊦78373.40. What is the cost of one tape recorder ?

Q.38 If 35.4 litres of petrol cost ⊦ 1053.15, find the price of one litre of petrol.

Q.39 The perimeter of a square is 244.56 cm. What is the length of one side ?

Q.40 Divide 132.6 into 12 equal parts.

Q.41 Share ⊦ 143.45 equally among 8 people.

Q.42 Express each of the following in metres

(i) 4.5 km   (ii) 63 cm

(iii) 8 cm   (iv) 4 mm

(v) 169 dm   (vi) 0.235 km

Q.43 Express each of the following in litres

(i) 42.3 dal   (ii) 235.2 ml

(iii) 0.123 kl   (iv) 34.25 hl

(v) 2.312 kl   (vi) 68.6 cl

Q.44 Find the sum of 7m 50 cm and 500 cm in metres.

Q.45 Find the sum of 2 kg, 270 g and 580 g in grams.

Q.46 Find the perimeter of a square if each side of length is 4.4 cm. Give your answer in metres.

Q.47 Find in kilograms, the total mass of a bag of flour of mass 2.5 kg, a jar of jam of mass 360 g and a packet of rice of mass 400 g.

Q.48 While helping father put in a new driveway, Shyam carried 14 bags of sand from the garage to the cement mixer. If each bag weighed $25\frac{1}{4}$ kg , what was the total weight of all the sand that Shyam carried ?

Q.49 A mail train travels from Delhi to Chennai in $2\frac{1}{2}$ days. A jet plane makes the trip from Delhi to Chennai in 5 hours. How many hours longer does the train take to make this trip ?

Q.50 Mother had $2\frac{1}{2}$ cups of ice cream left in the refrigerator. She decided to serve it to Priyanka and her 3 friends. If she divided the ice cream equally, how much would each child get ?

Q.51 Shahina has a $7\frac{1}{2}$ metres long ribbon. How many $1\frac{1}{2}$ metres long pieces can she cut from the ribbon ?

Q.52 On a trip last summer, Shashi drove 100 km in $2\frac{1}{2}$ hours. How many km did she run in one hour ?

Q.53 The perimeter of a regular pentagon (a five-sided closed figure with all the sides are equal) is 162.34 cm. What is the length of one side ?

Q.54 Simplify :

(i) 5.5 of $3.67 - (1.67 + \overline{1.63 - 0.44}) \div 0.2$

(ii) $4.4 \div 1.1 - [3.3 + \{1.1 \times 4.4 - (1.1 \div 2.2 + \overline{3.3 - 2.2}$ of $1.1)\}]$

(iii) $6.5[3.5 \{14.5 - (2.8 - \overline{3.5 \div 0.7})\}]$

(iv) $1.5\{3.9 - (4.5 - 3.2 \times 0.5)\}$

(v) $6.5 [2.4 + (1.5 + 7.2)]$

ANSWER KEY

1. 76 minutes or 1 Hour 16 minutes

2. $\dfrac{14805}{4}$ kg   3. $\dfrac{93}{98}$ litre

4. 117 minutes or 1 Hour 57 minutes

5. $118\dfrac{1}{2}$ g   6. $12\dfrac{1}{8}$ km; $\dfrac{35}{97}$ km

7. (i) T   (ii) T   (iii) F

8. (i) $\dfrac{1}{5}$ (ii) $\dfrac{13}{15}$

9. (i) seven point two six
   (ii) Two hundred forty seven point eight nine three
   (iii) Two hundred forty point zero zero four
   (iv) Nine point zero zero seven

10. (i) – 2.444   (ii) –16.767

11. 2.6 cm   12. 22.6 cm

13. 15.23 cm   14. ⊦ 459.85

15. (i) 20.592   (ii) 3.21   (iii) 11.39661

16. (i) 484.864   (ii) 0   (iii) 1170.18

17. (i) 24.5   (ii) 72   (iii) 1925

18. (i) 1000   (ii) 1000 (iii) 100

19. (i) 6.216   (ii) 0.2457   (iii) 24.07

20. (i) 69.43, 694.3, 6943
    (ii) 760.01, 7600.1, 76001   (iii) 0.029, 0.29, 2.9

21. (i) 205.0624 cm^2 (ii) 57.28 cm

22. 65.4 cm   23. 22.6067

24. 15.048   25. ⊦ 49.30

26. 15.750 ℓ 27. ⊦ 1525   28. ⊦ 404.25

29. (i) 0.24   (ii) 0.15   (iii) 1.108

30. (i) 9.801   (ii) 0.03224   (iii) 3.004

31. (i) 100   (ii) 100   (iii) 1000

32. (i) 0.112   (ii) 78

33. (i) 104.3015 (ii) 35.6

34. (i) 0.3   (ii) 400   (iii) 4.8

35. 0.3768 kg   36. ⊦ 12.72

37. ⊦ 1152.55   38. ⊦ 29.75

39. 61.14 cm   40. 11.05   41. ⊦ 17.93 each

42. (i) 4500 m   (ii) 0.63 m   (iii) 0.08 m
    (iv) 0.004 m   (v) 16.9 m   (vi) 235 m

43. (i) 4.23 ℓ (ii) 0.2352 ℓ (iii) 123 ℓ
    (iv) 3425 ℓ (v) 2312 ℓ (vi) 0.686 ℓ

44. 12.50 m   45. 2850 g

46. 0.176 m   47. 3.26 kg

48. $353\dfrac{1}{2}$ kg   49. 55 hours   50. $\dfrac{5}{8}$ cups

51. 5 ribbons   52. 40 km   53. 32.47 cm

54. (i) 5.885   (ii) –2.43   (iii) 379.925
    (iv) 1.5   (v) 72.15