

CHAPTER 2

FRACTIONS

More Questions for Practice

1. Find:

(a) $\frac{2}{3} \times \frac{7}{8}$

(b) $9\frac{1}{2} \times \frac{2}{3}$

(c) $\frac{7}{15} \times 6\frac{2}{15}$

(d) $1\frac{1}{6} \times \frac{3}{5}$

2. Find:

(a) $\frac{3}{10}$ of 20

(b) $1\frac{1}{2}$ of 16

(c) $\frac{3}{4}$ of $\frac{8}{9}$

(d) $\frac{3}{8}$ of $\frac{5}{4}$

3. Find:

(a) $\frac{4}{5} \div \frac{3}{2}$

(b) $5 \div \frac{1}{3}$

(c) $2\frac{3}{10} \div \frac{1}{2}$

(d) $\left(\frac{3}{8} \div \frac{7}{8}\right) \times \frac{1}{2}$

4. Find:

(a) 7.2×1.34

(b) 2.1×0.01

(c) 2.41×15

(d) 0.12×0.3

5. Find:

(a) $12.75 \div 1.5$

(b) $16.9 \div 1.3$

(c) $0.005 \div 0.25$

6. If $20007 \div 39 = 513$, find each of the following:

(a) $200.07 \div 39$

(b) $20.007 \div 39$

(c) $20007 \div 3.9$

(d) $20007 \div 0.39$

7. If 12 tins of ghee weigh 307.2 kg, find the weight of 1 tin.

8. The product of two decimals is 130.235. If one of them is 30.5, find the other decimal.

9. A vehicle covers a distance of 90 km in 2.5 litres of petrol.

(a) How much distance does it cover in one litre of petrol?

(b) How much petrol will be required for a distance of 108 km?

10. By what number should 4.71 be multiplied to get the product 235.971?

11. Divide:

(a) $5\frac{1}{4}$ by $3\frac{1}{8}$

(b) $11\frac{1}{11}$ by $12\frac{1}{5}$

(c) $\frac{75}{18}$ by $\frac{50}{36}$

12. Simplify:

(a) $\left(1\frac{7}{8} \div 1\frac{1}{2}\right)$ of $\left(8\frac{1}{3} \div 1\frac{1}{2}\right)$

(b) $\left(33 - 5\frac{1}{2}\right) \div 2\frac{1}{5}$ of $3\frac{1}{3} + 2\frac{5}{6}$

13. A girl can walk $1\frac{2}{3}$ km in one hour. How many kilometres will she walk in $3\frac{1}{4}$ hours?

14. Simplify:

(a) $\frac{12}{15} \div \frac{16}{24} \times \frac{3}{10} + \left(\frac{1}{2} \div \frac{1}{4}\right)$

(b) $\frac{6}{4} \times 8\frac{2}{3} \div \left(\frac{7}{8} \times 3\frac{1}{4}\right) - \frac{77}{154}$

15. Simplify:

(a) $13 \div 5.2 + 0.024$ of $8 + 0.3$

(b) $18 \div 3.2 + 37.8 - 6.5$ of 3

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ANSWERS

1. (a) $\frac{7}{12}$

(b) $\frac{19}{3}$

(c) $\frac{644}{225}$

(d) $\frac{7}{10}$

2. (a) 6

(b) 24

(c) $\frac{2}{3}$

(d) $\frac{15}{32}$

3. (a) $\frac{8}{15}$

(b) 15

(c) $\frac{23}{5}$

(d) $\frac{3}{14}$

4. (a) 9.648

(b) 0.021

(c) 36.15

(d) 0.036

5. (a) 8.5

(b) 13

(c) 0.02

6. (a) 5.13

(b) 0.513

(c) 5130

(d) 51300

7. 25.6 kg

8. 4.27

9. (a) 36 km

(b) 3 litres

10. 50.1

11. (a) $\frac{42}{25}$

(b) $\frac{10}{11}$

(c) 3

12. (a) $6\frac{17}{18}$

(b) $6\frac{7}{12}$

(c) 3

13. $5\frac{5}{12}$

14. (a) $2\frac{9}{25}$

(b) $3\frac{1}{2}$

15. (a) 2.992

(b) 23.925.

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