

Chapter 10 The Four Operations of Decimals

Exercise 1

Basics

- 1 (a) Estimate the sum of 8.259 and 17.78.

$$8.259 + 17.78 \approx 8 + 18 = \boxed{26}$$

- (b) Find the sum of 8.259 and 17.78.

$$\begin{array}{r} 17.78 \\ + 8.259 \\ \hline 26.039 \end{array}$$

- 2 (a) Estimate the sum of 0.361 and 13.7.

$$0.361 + 13.7 \approx 0.4 + 14 = \boxed{14.4}$$

- (b) Find the sum of 0.361 and 13.7.

$$\begin{array}{r} 13.7 \\ + 0.361 \\ \hline 14.061 \end{array}$$

- 3 (a) Estimate the sum of 0.14, 7.349, and 62.7.

$$0.14 + 7.349 + 62.7 \approx 0 + 7 + 63 = \boxed{70}$$

- (b) Find the sum of 0.14, 7.349, and 62.7.

$$\begin{array}{r} 0.14 \\ 7.349 \\ + 62.7 \\ \hline 70.189 \end{array}$$

Practice

- 4 Write $>$ or $<$ in each $\bigcirc$. Use estimation.

(a) $0.945 + 1.9 \bigcirc 2.34 + 1.706$

(b) $0.062 + 0.004 \bigcirc 0.05 + 0.29$

(c) $14.95 + 8.982 \bigcirc 19.2 + 0.969$

- 5 Add.

(a) $9.356 + 5.26$

$$\begin{array}{r} 9.356 \\ + 5.26 \\ \hline 14.616 \end{array}$$

(b) $183.3 + 16.828$

$$\begin{array}{r} 183.3 \\ + 16.828 \\ \hline 200.128 \end{array}$$

(c) $0.802 + 3.394$

4.196

(d) $55.4 + 36.824$

92.224

(e) $82 + 9.06 + 0.039$

91.099

(f) $200.7 + 19.46 + 7.041$

227.201

Exercise 2

Basics

- 1 (a) Estimate the value of $8.259 - 7.78$.

$$8.259 - 7.78 \approx 8.3 - 8 = \boxed{0.3}$$

- (b) Subtract 7.78 from 8.259.

$$\begin{array}{r} 8.259 \\ - 7.78 \\ \hline 0.479 \end{array}$$

- 2 (a) Estimate the value of $42.56 - 13.621$.

$$42.56 - 13.621 \approx 40 - 10 = \boxed{30}$$

- (b) Subtract 13.621 from 42.56.

$$\begin{array}{r} 42.560 \\ - 13.621 \\ \hline 28.939 \end{array}$$

- 3 (a) Estimate the difference between 19.459 and 142.3.

$$142.3 - 19.459 \approx \boxed{} \quad \begin{array}{l} \text{Estimates may vary.} \\ \text{Example: } 140 - 20 = 120 \end{array}$$

- (b) Find the difference between 19.459 and 142.3.

$$\begin{array}{r} 142.3 \\ - 19.459 \\ \hline 122.841 \end{array}$$

10-2 Subtracting Decimals

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Practice

- 4 Write $>$ or $<$ in each $\bigcirc$. Use estimation.

(a) $2.9 - 0.945 \bigcirc 32 - 23.6$

(b) $0.062 - 0.004 \bigcirc 0.34 - 0.09$

(c) $11.8 - 8.982 \bigcirc 0.87 + 0.012$

- 5 Subtract.

(a) $9.356 - 5.26$

$$\begin{array}{r} 9.356 \\ - 5.26 \\ \hline 4.096 \end{array}$$

(b) $186.3 - 16.828$

$$\begin{array}{r} 186.3 \\ - 16.828 \\ \hline 169.472 \end{array}$$

(c) $5.802 - 3.39$

$$2.412$$

(d) $12.307 - 7.7$

$$4.607$$

(e) $50 - 36.824$

$$13.176$$

(f) $10.4 - 9.461$

$$0.939$$

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10-2 Subtracting Decimals

- 6 In a laboratory, 0.069 g of Compound A is mixed with 0.348 g of Compound B. Compound C is added to bring the total mixture to 1 g. How many grams of Compound C is added?

$$1 - 0.069 - 0.348 = 0.583$$

$$0.583 \text{ g}$$

Challenge

- 7 Find the values. Express the answers as decimals.

(a) $6\frac{9}{40} - \frac{7}{8} + 8.23$

$$6.225 - 0.875 + 8.23 = 13.58$$

(b) $10\frac{3}{4} + 3\frac{1}{2} - (0.08 + \frac{93}{200})$

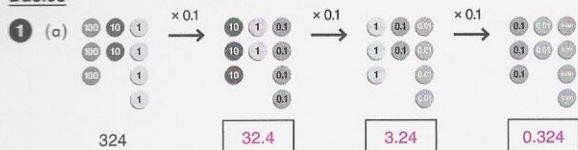
$$10.75 + 3.5 - (0.08 + 0.465) = 13.705$$

10-2 Subtracting Decimals

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Exercise 3

Basics



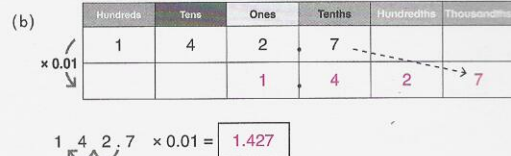
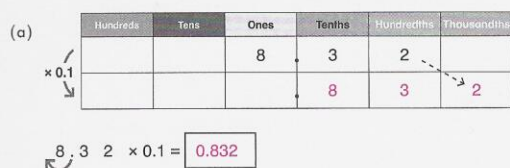
(b) $324 \times 0.1 = 324 \times \frac{1}{10} = \frac{324}{10} = 32.4$

(c) $32.4 \times 0.1 = \frac{324}{10} \times \frac{1}{10} = \frac{324}{100} = 3.24$

(d) $324 \times 0.01 = 324 \times \frac{1}{100} = \frac{324}{100} = 3.24$

(e) $32.4 \times 0.01 = \frac{324}{10} \times \frac{1}{100} = \frac{324}{1,000} = 0.324$

2 Complete the charts and fill in the blanks.



Practice

3 (a) $500 \times 0.1 = 50$ (b) $500 \times 0.01 = 5$

(c) $50 \times 0.1 = 5$ (d) $50 \times 0.01 = 0.5$

(e) $5 \times 0.1 = 0.5$ (f) $5 \times 0.01 = 0.05$

(g) $0.5 \times 0.1 = 0.05$ (h) $0.5 \times 0.01 = 0.005$

4 (a) $3.2 \times 0.1 = 0.32$ (b) $3.2 \times 0.01 = 0.032$

(c) $45 \times 0.1 = 4.5$ (d) $45 \times 0.01 = 0.45$

(e) $800.8 \times 0.1 = 80.08$ (f) $800.8 \times 0.01 = 8.008$

5 (a) $23 \times 0.01 = 0.23$ (b) $3.54 \times 0.1 = 0.354$

(c) $0.07 \times 0.1 = 0.007$ (d) $430 \times 0.01 = 4.3$

(e) $46.02 \times 0.1 = 4.602$ (f) $5,560 \times 0.01 = 55.6$

6 (a) $3.73 \times 0.1 = 0.373$ (b) $1.2 \times 0.01 = 0.012$

(c) $6,500 \times 0.01 = 65$ (d) $89.2 \times 0.1 = 8.92$

7 4 L of sand weigh 1 kg 92 g. How many grams does 0.1 L of this sand weigh?

4 L $\rightarrow$ 1,092 g
1 L $\rightarrow$ $1,092 \div 4 = 273$ g
0.1 L $\rightarrow$ $273 \times 0.1 = 27.3$ g
27.3 g

Challenge

8 (a) $500 \times 0.001 = 0.5$ (b) $50 \times 0.001 = 0.05$

(c) $0.5 \times 0.001 = 0.0005$ (d) $0.05 \times 0.01 = 0.0005$

Exercise 4

Basics

1 (a) $45 \times 0.8 = 45 \times 8 \times 0.1 = \boxed{360} \times 0.1 = \boxed{36}$

(b) $4.5 \times 0.8 = 45 \times 8 \times 0.1 \times 0.1 = \boxed{3.6}$

(c) $4.5 \times 0.08 = 45 \times 8 \times 0.1 \times 0.01 = \boxed{0.36}$

(d) $0.45 \times 0.8 = 45 \times 8 \times 0.01 \times 0.1 = \boxed{0.36}$

- 2 (a) Estimate the value of 503×55 .

$503 \times 55 \approx 500 \times 60 = \boxed{30,000}$

- (b) Find the value of 503×55 .

$503 \times 55 = \boxed{27,665}$

		5	0	3
x		5	5	
	2	5	1	5
2	5	1	5	0
2	7	6	6	5

- (c) Estimate the value of 50.3×0.55 .

$50.3 \times 0.55 \approx 50 \times 0.6 = \boxed{30}$

- (d) Find the value of 50.3×0.55 .

$50.3 \times 0.55 = \boxed{27.665}$

		5	0	3	← 1 decimal place
x		0	5	5	← 2 decimal places
	2	5	1	5	
2	5	1	5	0	
2	7	6	6	5	← 3 decimal places

- 3 (a) Estimate the value of 42.5×0.6 .

$42.5 \times 0.6 \approx 40 \times 0.6 = \boxed{24}$

- (b) Find the value of 42.5×0.6

	4	2	5	← 1 decimal place	
x		0	6	← 1 decimal place	
	2	5	5	0	← 2 decimal places

Practice

- 4 Estimate the values.

(a) $482 \times 7 \approx 500 \times 7 = \boxed{3,500}$

(b) $482 \times 0.7 \approx 500 \times 0.7 = \boxed{350}$

(c) $48.2 \times 0.7 \approx 50 \times 0.7 = \boxed{35}$

(d) $4.82 \times 0.7 \approx 5 \times 0.7 = \boxed{3.5}$

(e) $48.2 \times 0.07 \approx 50 \times 0.07 = \boxed{3.5}$

- 5 Circle values that are less than 1. Use estimation.

$\boxed{0.42 \times 0.9}$

$\boxed{3.92 \times 0.4}$

$\boxed{8.9 \times 0.07}$

$\boxed{1.8}$

- 6 Use the fact that $987 \times 78 = 76,986$ to find the following values.

(a) $987 \times 0.78 = \boxed{769.86}$

(b) $98.7 \times 7.8 = \boxed{769.86}$

(c) $9.87 \times 7.8 = \boxed{76.986}$

(d) $98.7 \times 0.78 = \boxed{76.986}$

- 7 Find the values. Remember to estimate first.

(a) 0.23×0.8
 $\boxed{0.184}$

(b) 9.2×1.6
 $\boxed{14.72}$

(c) 4.07×6.2
 $\boxed{25.234}$

(d) 120.5×0.42
 $\boxed{50.61}$

Exercise 5

Check

- 1 Is the sum of 0.14, 0.719, and 5.4 closer to 6 or 7? Use estimation.
6

- 2 Find the values.

(a) $6.37 + 0.268$
6.638

(b) $0.802 - 0.072$
0.73

(c) $55.55 - 0.777$
54.773

(d) $23.4 + 9.427 + 0.8$
33.627

3 (a) $56.2 \times 0.1 =$ 5.62

(b) $8.9 \times 0.01 =$ 0.089

(c) $50.8 \times 0.01 =$ 0.508

(d) $189.2 \times 0.1 =$ 18.92

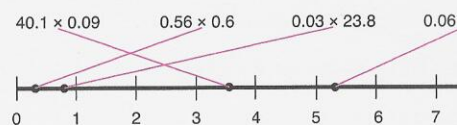
(e) $0.5 \times 0.02 =$ 0.01

(f) $0.07 \times 0.4 =$ 0.028

(g) $40.9 \times 0.4 =$ 16.36

(h) $2.5 \times 0.08 =$ 0.2

- 4 Draw a line to connect each product with its location on the number line. Use estimation.



- 5 Write $>$ or $<$ in each $\bigcirc$.

(a) $0.04 \times 0.95 \bigcirc 0.04$

(b) $0.2 \bigcirc 2.91 \times 0.04$

(c) $3.8 \times 0.62 \bigcirc 6.98 \times 0.5$

- 6 Find the values.

(a) 38.24×0.3
11.472

(b) 0.04×62.1
2.484

(c) 198×0.15
29.7

(d) $6.07 \times (6.27 + 0.8)$
43.097

- 7 Janice has 3.5 kg of flour. She used 325 g of it to make cookies and 2.45 kg of it to make bread. How many kilograms of flour does she have left?
 $3.5 - 0.325 - 2.45 = 0.725$
0.725 kg

- 8 One inch is equal to 2.54 cm. How many centimeters are in 4.5 inches?
 $4.5 \times 2.54 = 11.43$
11.43 cm

- 9 James earns \$23.80 an hour at his job. He gets paid 1.5 times as much for each hour a week that he works over 40 hours. Last week he worked 47 hours. What was his pay last week?
40 hours: $40 \times \$23.80 = \952
7 hours: $7 \times 1.5 \times \$23.80 = \249.90
 $\$952 + \$249.90 = \$1,201.90$
\$1,201.90

Challenge

- 10 Find the values.

(a) $0.025 \times 0.04 \times 2,000$
2

(b) $200 \times 0.02 \times 0.002 \times 2$
0.016

(c) $0.0125 \times 800 \times 4,000 \times 0.002$
80

- 11 Find the missing digits. No numbers can have trailing zeros (4.00, the 0's are called trailing zeros.)

(a) $20\boxed{4} \times 0\boxed{3} = 6\boxed{1}2$
Ignore the decimals and find $20_ \times _ = 6_2$.
 $204 \times 3 = 612$. So $20.4 \times 0.3 = 6.12$.

(b) $0.2 \times \boxed{0.5} = \boxed{0.1}$
Ignore the decimal. $2 \times ? = 1$ would need a decimal.
Find $2 \times ? = 10$. $? = 5$, so $0.2 \times 0.5 = 0.10 = 0.1$.

(c) $\boxed{0.0}4 \times \boxed{0.0}5 = 0.002$
Ignore the decimals. $4 \times ? = 2$ would need a decimal.
Find $4 \times ? = 20$. $? = 5$. $0.04 \times 0.05 = 0.0020 = 0.002$

Exercise 6

Basics

- 1 (a) $4.8 \div 8 = 48 \text{ tenths} \div 8 = 6 \text{ tenths} = \boxed{0.6}$
 (b) $0.72 \div 9 = 72 \text{ hundredths} \div 9 = \boxed{8} \text{ hundredths} = \boxed{0.08}$
 (c) $0.03 \div 6 = 30 \text{ thousandths} \div 6 = \boxed{5} \text{ thousandths} = \boxed{0.005}$

- 2 (a) Complete the following estimations for $9.3 \div 4$.

$8 \div 4 = \boxed{2}$ $12 \div 4 = \boxed{3}$

The quotient will be between 2 and 3.

- (b) Divide 9.3 by 4.

Diagram illustrating the division of 9.3 by 4 using place value blocks:

- 9 ones $\div 4$ is 2 ones with 1 one left over.
- 13 tenths $\div 4$ is 3 tenths with 1 tenth left over.
- 10 hundredths $\div 4$ is 2 hundredths with 2 hundredths left over.
- 20 thousandths $\div 4$ is 5 thousandths.

Check: $2.325 \times 4 = \boxed{9.3}$

- 3 (a) Complete the following estimation for $0.635 \div 5$.

$0.60 \div 5 = \boxed{0.12}$

- (b) Divide 0.635 by 5.

Diagram illustrating the division of 0.635 by 5 using place value blocks:

- 6 tenths $\div 5$ is 1 tenth with 1 tenth left over.
- 13 hundredths $\div 5$ is 2 hundredths with 3 hundredths left over.
- 35 thousandths $\div 5$ is 7 thousandths.

- 4 (a) Complete the following estimations for $92.85 \div 15$.

$100 \div 10 = \boxed{10}$

$90 \div 15 = \boxed{6}$

- (b) Divide 92.85 by 15.

Diagram illustrating the division of 92.85 by 15 using place value blocks:

- 92 tenths $\div 15$ is 6 tenths with 2 tenths left over.
- 28 hundredths $\div 15$ is 1 hundredth with 13 hundredths left over.
- 135 thousandths $\div 15$ is 9 thousandths.

Practice

- 5 Which of the following has a quotient between 0.1 and 1? Use estimation.

$8.35 \div 9$

$6.72 \div 4$

$5.81 \div 7$

$0.62 \div 5$

- 6 Estimate the values.

(a) $1,789 \div 32 \approx 1,800 \div 30 = \boxed{60}$

(b) $178.9 \div 32 \approx 180 \div 30 = \boxed{6}$

(c) $17.89 \div 32 \approx 18 \div 30 = \boxed{0.6}$

(d) $1.789 \div 32 \approx 1.8 \div 30 = \boxed{0.06}$

- 7 Which of the following has a quotient between 0.1 and 1?

$135.9 \div 89$

$6.72 \div 41$

$16.14 \div 19$

$0.05 \div 45$

- 8 (a) $4.2 \div 7 = \boxed{0.6}$ (b) $0.064 \div 8 = \boxed{0.008}$

(c) $0.12 \div 20 = \boxed{0.006}$ (d) $12.012 \div 4 = \boxed{3.003}$

(e) $0.4 \div 50 = \boxed{0.008}$ (f) $0.06 \div 12 = \boxed{0.005}$

- 9 Divide.

(a) $5.238 \div 3 = \boxed{1.746}$

(b) $19.84 \div 62 = \boxed{0.32}$

(c) $37.08 \div 18 = \boxed{2.06}$

(d) $484.6 \div 25 = \boxed{19.384}$

- 10 In a laboratory, 4.56 g of residue is divided equally into 5 test tubes. How many grams of residue is in each test tube?

$4.56 \div 5 = \boxed{0.912}$
 0.912 g

Exercise 7

Basics

- 1 Express $\frac{9}{11}$ as a decimal correct to the second decimal place.

$$\begin{array}{r} 0.818 \\ 11 \overline{)9.000} \\ \underline{88} \\ 20 \\ \underline{11} \\ 90 \\ \underline{88} \\ 2 \end{array}$$

$\frac{9}{11}$ is 0.82, correct to the second decimal place.

- 2 Express $8\frac{63}{64}$ as a decimal correct to the second decimal place.

$$\begin{array}{r} 0.984 \\ 64 \overline{)63.000} \\ \underline{576} \\ 540 \\ \underline{512} \\ 280 \\ \underline{256} \\ 24 \end{array}$$

$$8\frac{63}{64} \approx \boxed{8.98}$$

- 3 (a) Complete the following estimations for $17.51 \div 29$.

$$15 \div 30 = \boxed{0.5}$$

$$18 \div 30 = \boxed{0.6}$$

- (b) Find the value of $17.51 \div 29$, correct to the second decimal place.

$$\begin{array}{r} 0.603 \\ 29 \overline{)17.510} \\ \underline{174} \\ 110 \\ \underline{116} \\ 40 \\ \underline{42} \\ 2 \end{array}$$

$17.51 \div 29$ is 0.60, correct to the second decimal place.

Practice

- 4 Express each fraction or mixed number as a decimal correct to the second decimal place.

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

0.67

(b) $1\frac{7}{9}$

1.78

(c) $\frac{9}{14}$

0.64

(d) $2\frac{11}{16}$

2.69

- 5 Divide. Express the quotients correct to the second decimal place.

(a) $45.2 \div 6$
7.53

(b) $8.11 \div 7$
1.16

(c) $35.77 \div 21$
1.70

(d) $406.7 \div 13$
31.28

Challenge

- 6 Continue to divide $\frac{9}{11}$ past the thousandths place. Which digits repeat?

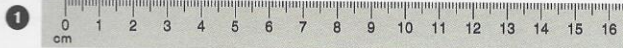
$\frac{9}{11} = 0.818181\dots$
81 repeats

- 7 Continue to divide $\frac{6}{55}$ past the thousandths place. Which digits repeat?

$\frac{6}{55} = 0.10909\dots$
09 repeats

Exercise 8

Basics



(a) $1 \text{ mm} = \frac{1}{10} \text{ cm} = 0.1 \text{ cm}$

There are 10 mm in 1 cm.

There are 10 0.1 cm in 1 cm.

$1 \div 0.1 = 1 \div \frac{1}{10} = 1 \times \frac{10}{1} = 10$

(b) $5 \div 0.1 = 5 \div \frac{1}{10} = 5 \times \frac{10}{1} = 50$

(c) $50 \div 0.1 = 50 \div \frac{1}{10} = 50 \times \frac{10}{1} = 500$

(d) $500 \div 0.1 = 500 \div \frac{1}{10} = 500 \times \frac{10}{1} = 5,000$



(a) $1 \div 0.01 = 1 \div \frac{1}{100} = 1 \times \frac{100}{1} = 100$

(b) $5 \div 0.01 = 5 \div \frac{1}{100} = 5 \times \frac{100}{1} = 500$

(c) $50 \div 0.01 = 50 \div \frac{1}{100} = 50 \times \frac{100}{1} = 5,000$

(d) $500 \div 0.01 = 500 \div \frac{1}{100} = 500 \times \frac{100}{1} = 50,000$

Practice

3 (a) $42 \div 0.1 = 420$

(b) $42 \div 0.01 = 4,200$

(c) $104 \div 0.1 = 1,040$

(d) $104 \div 0.01 = 10,400$

(e) $9 \div 0.01 = 900$

(f) $100 \div 0.1 = 1,000$

(g) $72 \div 0.1 = 720$

(h) $16 \div 0.01 = 1,600$

(i) $3 \div 0.01 = 300$

(j) $40 \div 0.01 = 4,000$

(k) $400 \div 0.1 = 4,000$

(l) $2,400 \div 0.1 = 24,000$

- 4 A laboratory technician has 4 g of substrate. She needs to put 0.1 g of substrate in each test tube. How many test tubes does she need?
 $4 \div 0.1 = 40$
 40 test tubes

Challenge

5 (a) $1 \div 0.001 = 1,000$

(b) $5 \div 0.001 = 5,000$

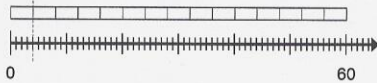
(c) $50 \div 0.001 = 50,000$

(d) $500 \div 0.01 = 50,000$

Exercise 9

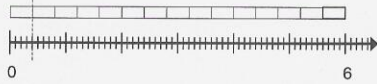
Basics

- 1 (a) Divide 60 by 4.



$$60 \div 4 = \boxed{15}$$

- (b) Divide 6 by 0.4.



$$6 \div 0.4 = 6 \div \frac{4}{10} = 6 \times \frac{10}{4} = \boxed{15}$$

- (c) $6 \div 0.4 = 60 \div 4 = \boxed{15}$

- 2 (a) $24 \div 1.2 = 24 \div \frac{12}{10} = 24 \times \frac{10}{12} = \boxed{20}$

(b) $24 \div 1.2 = \boxed{240} \div 12 = \boxed{20}$

(c) $24 \div 0.12 = 24 \div \frac{12}{100} = 24 \times \frac{100}{12} = \boxed{200}$

(d) $24 \div 0.12 = \boxed{2,400} \div 12 = \boxed{200}$

- 3 Divide 73 by 0.4.

$$0.4 \overline{) 73.0} \longrightarrow \begin{array}{r} 182.5 \\ 4 \overline{) 7300} \\ \underline{4} \\ 33 \\ \underline{32} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$$73 \div 0.4 = \boxed{182.5}$$

- 4 Estimate the quotient of $73 \div 3.1$. Then find the quotient correct to the second decimal place.

$$73 \div 3.1 \approx 730 \div 31 \approx 600 \div 30 = \boxed{20}$$

$$\begin{array}{r} 23.548 \\ 31 \overline{) 730.000} \\ \underline{62} \\ 110 \\ \underline{93} \\ 170 \\ \underline{155} \\ 150 \\ \underline{124} \\ 260 \\ \underline{248} \\ 12 \end{array}$$

$$73 \div 3.1 \approx \boxed{23.55}$$

Practice

5 (a) $18 \div 0.6 = \boxed{30}$ (b) $6 \div 0.05 = \boxed{120}$

(c) $75 \div 2.5 = \boxed{30}$ (d) $44 \div 0.22 = \boxed{200}$

- 6 Divide. Express quotients with 3 or more decimal places correct to the second decimal place.

(a) $760 \div 0.25 = \boxed{3,040}$ (b) $49 \div 0.08 = \boxed{612.5}$

(c) $78 \div 0.9 = \boxed{86.67}$ (d) $430 \div 4.5 = \boxed{95.56}$

- 7 130 g of tea is put into tea bags. Each bag gets 2.5 g of tea. How many bags are needed?
 $130 \div 2.5 = 52$
 52 bags



Exercise 10

Check

- 1 (a) $6.4 \div 8 = 0.8$ (b) $0.24 \div 4 = 0.06$
- (c) $0.3 \times 0.4 \div 6 = 0.02$ (d) $0.48 \div 4 \times 5 = 0.6$
- (e) $89 \div 0.1 = 890$ (f) $3 \div 0.01 = 300$
- (g) $1,000 \div 0.1 = 10,000$ (h) $12 \div 0.01 = 1,200$
- (i) $9 \div 0.1 \times 0.1 = 9$ (j) $9 \div (0.1 \times 0.1) = 900$
- (k) $4 \div 0.8 = 5$ (l) $81 \div 0.09 = 900$
- (m) $30 \times 0.4 \div 0.02 = 600$ (n) $30 \div 0.4 \times 0.02 = 1.5$

2 Circle the values that are equal.

- (a) $32 \div 0.6$ $320 \div 0.6$ $32 \div 60$ $320 \div 6$
- (b) $4.8 \div 8$ $48 \div 0.08$ $480 \div 8$ $480 \div 0.8$

3 Write $>$ or $<$ in each $\bigcirc$. Use estimation.

- (a) $9.8 \div 72 \bigcirc 12.62 \div 8$
- (b) $26 \div 0.08 \bigcirc 269 \div 0.39$
- (c) $1,058 \div 9.9 \bigcirc 98 \div 0.5$

4 Find the values. Express quotients with 3 or more decimal places correct to the second decimal place.

- (a) $89.5 \div 6 = 14.92$ (b) $9 \div 0.08 = 112.5$
- (c) $8 \div 4.5 = 1.78$ (d) $32 \div 0.14 = 228.57$
- (e) $7 \div 0.05 \times 0.6 = 84$ (f) $4.576 \div 8.3 = 4.908$

5 15.8 L of a solvent is poured equally into 8 beakers. How many liters are in each beaker?

$$15.8 \div 8 = 1.975$$

1.975 L

6 How many 3.8 m pieces can be cut from 100 m of rope?

$$100 \div 3.8 = 26.3 \text{ (correct to the first decimal place)}$$

26 pieces

7 Sonia bought 1.5 lb of morel mushrooms for \$72. What does 1 pound of morel mushrooms cost?

$$72 \div 1.5 = 48$$

\$48