

Dividing decimals 2

1 Complete these divisions.

$$4 \overline{) 4 \cdot 2 4}$$

$$6 \overline{) 8 \cdot 6 4}$$

$$8 \overline{) 9 \cdot 2}$$

$4 \cdot 24 \div \square = \square$

$\square \div 6 = \square$

$\square \div \square = \square$

2 a) Predict if the answer to each of these divisions will have no decimal places, one decimal place or two decimal places. Write the letters in the table.

A
 $25 \div 4$

B
 $2 \cdot 6 \div 2$

C
 $100 \cdot 5 \div 5$

D
 $8 \cdot 72 \div 4$

E
 $1,080 \div 4$

F
 $1 \cdot 38 \div 3$

No decimal places	One decimal place	Two decimal places

b) Complete each division to check your predictions.



$A \quad 25 \div 4 = \square$

$C \quad 100 \cdot 5 \div 5 = \square$

$E \quad 1,080 \div 4 = \square$

$B \quad 2 \cdot 6 \div 2 = \square$

$D \quad 8 \cdot 72 \div 4 = \square$

$F \quad 1 \cdot 38 \div 3 = \square$

3 a) Solve these divisions.

$10.5 \div 3 = \square$

$10.5 \div 6 = \square$

$10.5 \div 30 = \square$



b) Explain how the answers to the divisions are related to each other.

4 a) Reena is trying to solve $7.33 \div 10$ using short division. Find and explain her mistake.



$$\begin{array}{r} 0.703 \\ 10 \overline{) 7.330} \end{array}$$

b) Choose an efficient method to solve the division correctly.



5 Complete these divisions.

$27.5 \div \square = 2.75$

$\frac{\square}{11} = 0.7$