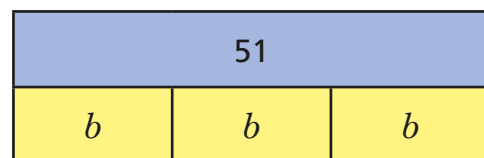


Solve one-step linear equations involving $\times/\div$ using inverse operations

- 1 a) Complete the fact family for the bar model.



$$b \times \square = 51$$

$$3 \times \square = 51$$

$$51 \div \square = 3$$

$$51 \div \square = b$$

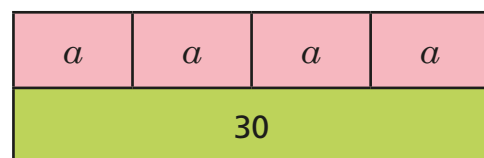
- b) Which fact will help you work out the value of b ?

Tick your answer.

- c) Work out the value of b .

$$b = \square$$

- 2 a) Write the fact family for the bar model.



- b) What is the value of a ?

$$a = \square$$

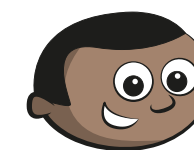
- 3 a) Draw a bar model to illustrate $5c = 105$

- b) Write the fact family for your bar model.

- c) What is the value of c ?

$$c = \square$$

- 4 Mo is solving the equation $10a = 2$



The value of a is 5

Explain why Mo is wrong.

What is the correct value of a ?

$$a = \square$$

5 Solve the equations.

a) $4g = 24$

$g =$

b) $186 = 5h$

$h =$

c) $6k = 19.8$

$k =$

d) $6 = 20p$

$p =$

6 Teddy is solving the equation $4a = 3,824$

He thinks the value of a is 1,412

a) Without solving the equation, explain why Teddy is incorrect.

b) What is the value of a ?

$a =$

7 Circle the calculation you can use to find out the value of e .

e			
7	7	7	7

$\frac{e}{4} = 7$

$4 \times 7 = e$



8 Amir and Ron are solving the equation $\frac{a}{3} = 30$

Amir thinks the value of a is 90

Ron thinks the value of a is 10

Who is correct? _____

Explain your answer.

9 Solve the equations.

a) $\frac{n}{4} = 12$

$n =$

b) $10 = \frac{m}{15}$

$m =$

c) $\frac{27}{p} = 9$

$p =$

d) $7 = \frac{210}{y}$

$y =$

10 What is the same and what is different about these equations?

$\frac{n}{10} = 5$

$\frac{10}{n} = 5$

