Solve one-step linear equations involving ×/÷ using inverse operations



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

	51	
b	b	b

$$51 \div \boxed{3} = b$$

- **b)** Which fact will help you work out the value of b? Tick your answer.
- c) Work out the value of b.

a) Write the fact family for the bar model.

4xa = 30

30+4=a

30+a=4

b) What is the value of a?

a) Draw a bar model to illustrate 5c = 105

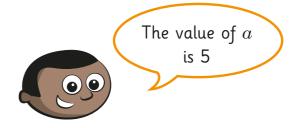


b) Write the fact family for your bar model.

$$5 \times c = 105$$
 $105 \div s = c$
 $c \times s = 105$ $105 \div c = s$

c) What is the value of c?

Mo is solving the equation 10a = 2



Explain why Mo is wrong.

$$10 \times 5 = 50 \neq 2$$

What is the correct value of a?





- Solve the equations.
 - a) 4g = 24

b) 186 = 5h

c) 6k = 19.8

d) 6 = 20p

p =

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.

1,412 ×4 > 4,000

b) What is the value of a?

956

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

e			
7	7	7	7

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

$$4 \times 7 = e$$

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

Amir thinks the value of a is 90

Ron thinks the value of \boldsymbol{a} is 10

Who is correct? Amir

Explain your answer.

Solve the equations.

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

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

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

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

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

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

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