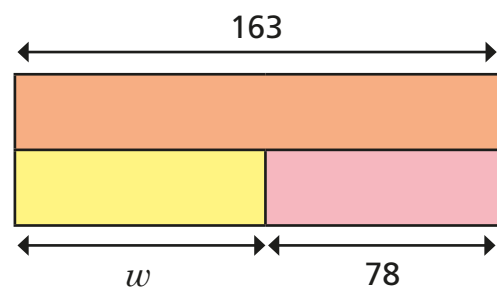


Solve one-step linear equations involving +/- using inverse operations

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



$$\begin{aligned} w + 78 &= \boxed{} \\ 78 + \boxed{} &= \boxed{} \\ w &= 163 - \boxed{} \\ 78 &= \boxed{} - \boxed{} \end{aligned}$$

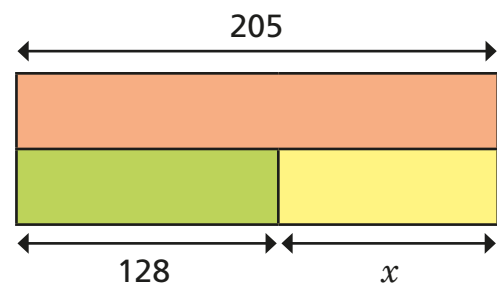
- b) Which fact will help you work out the value of w ?

Tick your answer.

- c) Work out the value of w .

$$w = \boxed{}$$

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



- b) What is the value of x ?

$$x = \boxed{}$$

- 3 a) Draw a bar model to illustrate $y + 39 = 72$

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

- c) What is the value of y ?

$$y = \boxed{}$$

- 4 Solve the equations.

- a) $d + 59 = 91$

$$d = \boxed{}$$

- b) $15.8 + e = 29$

$$e = \boxed{}$$

- c) $63.1 = f + 17$

$$f = \boxed{}$$

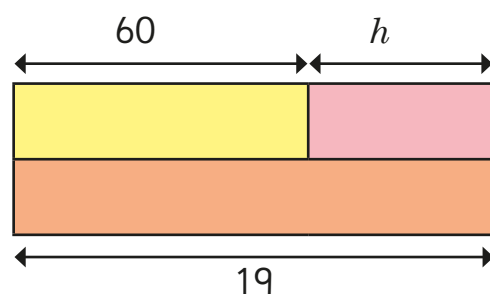
- d) $368.23 = x + 65.7$

$$x = \boxed{}$$

- e) $3001.72 = 1003.27 + y$

$$y = \boxed{}$$

- 5 Rosie has drawn a bar model to illustrate the equation $60 - h = 19$



What mistake has Rosie made? Draw the correct bar model.



- 6 a) Draw a bar model to illustrate $g - 59 = 12$
Write the fact family for the bar model.

- b) What is the value of g ?

$$g = \boxed{}$$

- 7 Solve the equations.

a) $70 - b = 18$

$$b = \boxed{}$$

b) $83 = m - 164$

$$m = \boxed{}$$

c) $p - 321 = 407.3$

$$p = \boxed{}$$

- 8 Write an equation for each of these problems.

Whitney thinks of a number.
She adds 87 to her number
and gets an answer of 153

Tommy thinks of a number.
He subtracts his number
from 302.1 and gets
an answer of 149.8

Solve the equations.

Whitney's number is

Tommy's number is

