Solve one-step linear equations involving +/using inverse operations
a) Complete the fact family for the bar model.

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

a) Write the fact family for the bar model.


$$
\begin{aligned}
& 128+x=205 \\
& x+128=205 \\
& 205-x=128 \\
& 205-128=x
\end{aligned}
$$

b) What is the value of $x$ ?
(3)
a) Draw a bar model to illustrate $y+39=72$

| 72 |  |
| :--- | ---: |
| $y$ | 39 |

b) Write the fact family for your bar model.

c) What is the value of $y$ ?

$$
33
$$

(4) Solve the equations.
a) $d+59=91$

b) $15.8+e=29$

$$
e=13 \cdot 2
$$

c) $63.1=f+17$

$$
f=46.1
$$

d) $368.23=x+65.7$

e) $3001.72=1003.27+y$Rosie has drawn a bar model to illustrate the equation $60-h=19$


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

a) Draw a bar model to illustrate $g-59=12$

Write the fact family for the bar model

b) What is the value of $g$ ?

Solve the equations.
a) $70-b=18$
b) $83=m-164$

c) $p-321=407.3$
(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.

$$
x+87=153
$$

$302 \cdot 1-x=149 \cdot 8$

