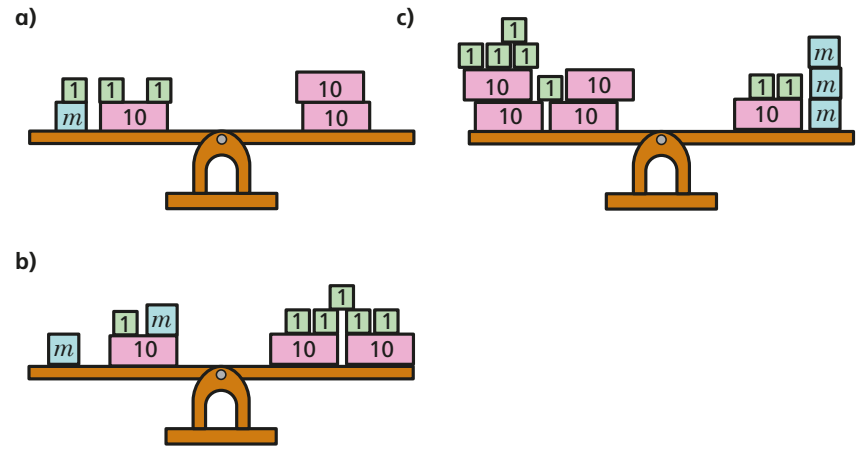


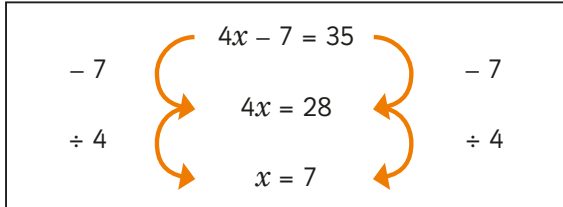
1 Solve the equations.

- a)  $p + 8 = 17$       c)  $v - 7 = -2$       e)  $\frac{t}{7} = 3$   
 b)  $y - 3 = 6$       d)  $4h = 17$       f)  $-35 = 5r$

2 Work out the unknown value for each set of scales.



3 Huan has attempted to solve this equation.



Find and correct his error.

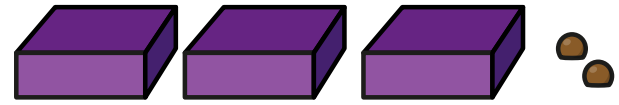


4 Solve the equations.

- a)  $3w + 6 = 3$       d)  $-4k - 2 = 10$   
 b)  $\frac{m}{2} - 8 = -3$       e)  $\frac{1}{3}b - 3 = 3$   
 c)  $-3 = -v + 7$       f)  $20 - 5n = -35$

5 Aisha has 50 chocolates.

She fills 3 boxes and has 2 left over.



How many chocolates are there in each box?

6 Jack and Whitney are solving the equation  $4(x - 7) = 32$



I am going to expand the brackets first.

I am going to divide both sides by 4 first.



a) Show that both methods give the same answer.

b) Solve the equations.

$3(x + 5) = 27$

$4(2x - 3) = 10$

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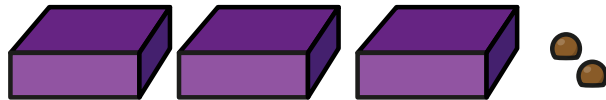
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7 Rearrange the cards into the correct order to solve the equation  $-2(3 - 4x) = 16$

$-2(3 - 4x) = 16$

$8x = 22$

$x = 2.75$

$-6 + 8x = 16$

$x = 22 \div 8$

Can you solve the equation in a different way? Discuss with a partner.

8 Solve the equations.

a)  $3(f - 2) = 3$

c)  $-8 = -2(t - 4)$

b)  $5(4 - 2g) = 40$

d)  $3(c + 2) - 5 = 9$