

## 2

# Expressions, formulae and equations

## Getting started

1 Work out:

a  $14 + 5$

e  $4 \times 8$

b  $21 - 7$

f  $45 \div 9$

c  $-6 + 4$

g  $-8 \times 2$

d  $12 - 15$

h  $36 \div -3$

2 Work out the following. Remember to use the correct order of operations.

a  $7 + 2 \times 3$

e  $\frac{15}{5} \times 7$

b  $(8 + 4) \times 7$

f  $\frac{18 - 6}{3}$

c  $9 + 12 \div 3$

g  $-6 \times 2 - 8$

d  $(8 - 5) \div 3$

h  $-5 + \frac{10}{2}$

3 Fill in the missing numbers in each of these calculations.

Choose from the numbers in the circle on the right.

a  $\square + 6 = 8$

b  $\square \times 4 = 24$

d  $\square - 2 = 9$

e  $4 \times \square = -20$

c  $\square \div 2 = 5$

f  $-18 \div \square = -6$

11 2  
3 -5  
10 6

4 Work out the answers to these problems. Show all your working.

a Karin buys three pizzas that cost \$2.75 each and a drink that costs \$0.89. What is the total cost?

b Izzy and Sam go for a meal in a restaurant. They order food that costs \$8.70, \$3.45 and \$12.25. They share the cost of the meal between them. How much do they each pay?

5 In this number pyramid, you find the number in each block by adding the numbers in the two blocks below it. Complete the number pyramid.

$8 + 12 = 20$ , so 20 goes here

