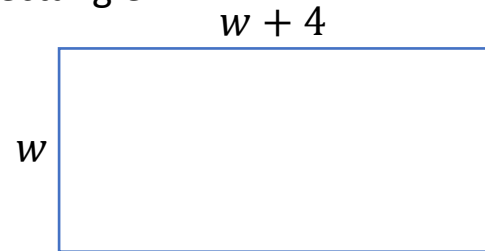# Forming Expressions

Examples:

In a park you can hire a boat. The cost per hour (h) is £7, and there is also a £10 deposit. Write an expression to represent the cost to hire a boat.

7h+10

Here is a rectangle with sides w and w+4. Write an expression for the perimeter of the rectangle

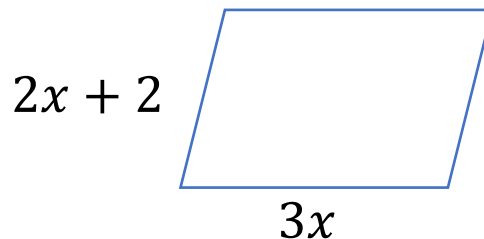$w + 4$

w

$w + (w + 4) + w + (w + 4)$
$4w + 8$

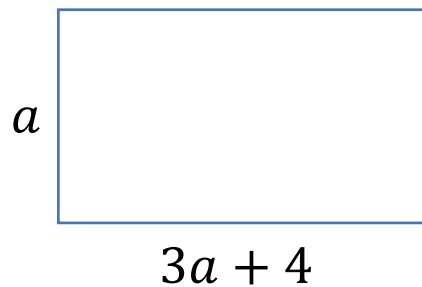**Remember: If you're not sure, think about what you would do if the question gave you a number instead.**

Q1) In a shop, the cost for apples (a) is £2 per apple. Write an expression for the cost of buying some apples.

Q2) Below is a parallelogram. Find an expression for the perimeter of the parallelogram.

$2x + 2$

$3x$

Q3) Sam spent 45 minutes doing his maths homework. Ellie spent y minutes less than him completing it. Form an expression for how long Ellie spent on her homework.

Q4) Charlie is x years old. Millie is 2 years older than him. Billy is twice as old as Charlie. Write an expression for a) Billy's age and b) Millie's age

Q5) Below is a rectangle. Form an expression for the area of the rectangle.

a | [rectangle]

$3a + 4$

Q6) On a plane, there are E seats in each economy row and there are 40 rows. There are F seats in each first-class row and there are 12 rows .

Write an expression for the total (T) number of seats on the plane in terms of E and F.

AT