

# Code Breaker: Forming Equations

The Maths Habit



## CRACK THE CODE

Form an equation and solve it to answer the question on each tile. Lengths are in centimetres and angles in degrees. Do not measure. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1

Find the largest angle.

2

Find x.

3

Find x.

4

Find the perimeter.

5

Perimeter 50 cm. Find the longer side.

6

This shape is a square. Find x.

7

Find the largest angle.

8

Leon

$x$

Mum

$x$   $x$   $x$   $4$

Their ages add up to 60. How old is Mum?

9

Kofi

$x$

Ella

$x$  £8

Together they have £56. How much has Ella got?

10

Find x.

11

Find x.

12

Perimeter 31 cm. Find the longest side.

13

Find the perimeter.

**YOUR LETTERS**

**UNSCRAMBLE** Clue: a British dish (4, 2, 3, 4) \_\_\_\_\_

### CODE BOX

5 = L

11 = P

13 = O

14 = M

16 = B

17 = E

24 = T

25 = H

26 = I

27 = C

28 = G

32 = O

33 = H

35 = T

40 = S

42 = D

46 = E

61 = R

80 = N

110 = A

