Multiples and factors

To achieve 100 you need to:
- recognise and use **multiples** and **factors**.

1 Circle **all** the multiples of **11** listed below.

77 220 144 177 1,100 111

(1 mark)

2 Sophie is thinking of an **odd** number.

It is a factor of 24 **and** a factor of 15

What is the number?

(1 mark)

3 Draw lines to match the multiples with their factors.

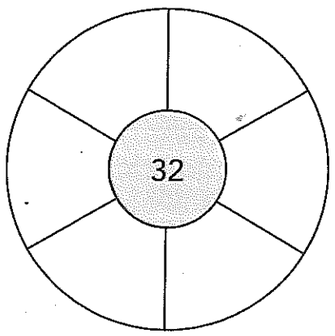
One of the factors is missing. It is **not** the factor 1

Write a possible missing factor in the box.

Factor	Multiple
	42
5	24
12	40
8	

(2 marks)

4 Complete the wheel for the number 32 by writing all the factors of 32 in the spaces on the wheel.



(1 mark)

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Multiplying by larger numbers

To achieve 100 you need to:
- draw upon multiplication facts up to 12 × 12 and place value to:
  - multiply numbers with up to four digits by a single number using short multiplication
  - multiply numbers with up to two digits by a two-digit number using the formal long multiplication method and become more confident with larger numbers.

1 3,609 × 7 =

	3	8	5
×		1	3

(1 mark)

(2 marks)

3 Stickers come in boxes of 525

A shop orders 17 boxes.

How many stickers are there altogether in 17 boxes?

(1 mark)

4

3,247				

This bar is divided into equal parts.

(2 marks)

Jake writes ☐ × ☐ = ☐

to help him find the total value of the bar.

Complete Jake's calculation.

5 After a car boot sale, 16 charities are given an equal share of the money raised. Each charity receives £942

How much money was raised by the car boot sale in total?

(1 mark)

Top tip

Always show your method because you could gain a mark even if your answer is incorrect.

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