KS2
SATS
MATHS

QUESTION WORKBOOK

MATHEMATICS

YEAR 6
AGE 10–11

EXPECTED STANDARD

Achieve

hachette
LEARNING

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Long division

To achieve the expected standard, you need to:
★ become more confident using long division to divide numbers with up to four digits by a two-digit whole number.

1

15 | 8	5	5

2

24 | 1	1	2	8			

1 (2 marks)

2 (2 marks)

3 A car uses **18 litres** of petrol to travel a distance of **594 kilometres**.
How many kilometres does it travel **per litre** of petrol? ____ km

3 (1 mark)

4 The Parker family has saved the **same** amount of money **each month** for **3 years**.
At the end of 3 years they have saved £2,340
How much did they save each month?
£ ____

4 (2 marks)

5 A rosette is made from 32 cm of ribbon.
How many rosettes can be made from a **7 metre** piece of ribbon?
____ rosettes

5 (2 marks)

Top tip

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

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Adding and subtracting fractions

To achieve the expected standard, you need to:

- ★ add and subtract fractions with the same denominator, using mixed numbers where appropriate for the context
- ★ add and subtract fractions with denominators that are **multiples** of the same number, and become more confident with more complex calculations.

1 $1\frac{4}{5} - \frac{2}{5} =$ ☐

1 (1 mark)

2 $1\frac{3}{5} - \frac{4}{5} =$ ☐

2 (1 mark)

3 ☐ $= \frac{2}{3} + \frac{5}{6}$

3 (1 mark)

4 $\frac{3}{4} +$ ☐ $+ \frac{1}{2} = 2$

4 (1 mark)

5 Draw lines to match these calculations with their answers.

$1\frac{5}{8} - \frac{3}{4}$	$3\frac{1}{2}$
$1\frac{3}{4} - 1\frac{1}{12}$	3
$1\frac{3}{5} + \frac{7}{10} + \frac{7}{10}$	$\frac{7}{8}$
$2\frac{5}{6} + \frac{2}{3}$	$\frac{2}{3}$

5 (2 marks)

6 There is $\frac{3}{4}$ litre of water in a jug.

Jack pours in a further $\frac{3}{8}$ litre of water.

How much water is in the jug altogether?

Write your answer as a mixed number. ☐ litres

6 (1 mark)

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Pictograms

To achieve the expected standard, you need to:
★ interpret and present data using **pictograms**.

1 Complete the pictogram using the information shown in the table.

	Total points
Red	12
Blue	16
Green	20



1 (1 mark)

2 a) How many **more** children like canoeing than treasure hunts?

2a (1 mark)

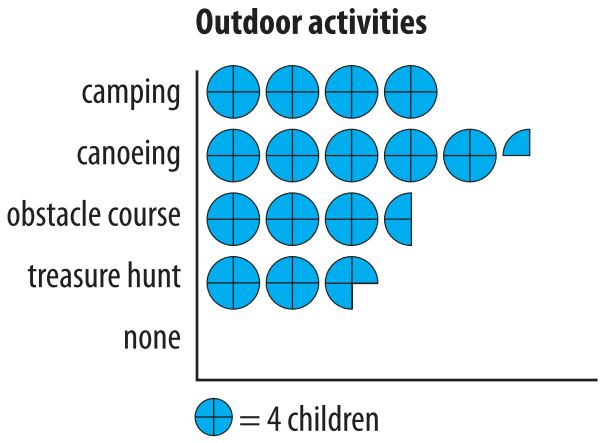
b) How many children like outdoor activities in **total**?

2b (1 mark)

c) Nine children do **not** like any outdoor activities.

Show this on the pictogram using the same symbols.

2c (1 mark)



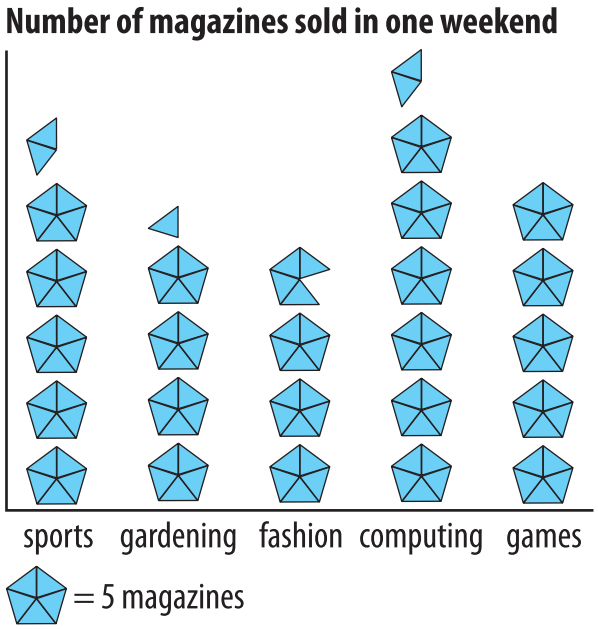
3 a) Which magazines sold **fewer** than 25 copies?

3a (1 mark)

b) Which two magazines sold a **total** of 52 copies?

and

3b (1 mark)



Top tip

- Check the value of each part of the pictogram before tackling the question.

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