Maths
Starting check

Get to FOUR

This booklet is for **Sam**

What this is

This shows us what you already know, so your booklets start in the right place. Some questions are meant to be hard. Do what you can and leave the rest.

Three short sections. Tick each one when it's done.

- [ ] **Section 1: Number**
  15 minutes · no calculator
- [ ] **Section 2: Algebra and shape**
  15 minutes · calculator allowed
- [ ] **Section 3: Solving problems**
  15 minutes · calculator allowed

Take a short break between sections: stand up, stretch, get some water. You can do one section a day.

You need a pen, a pencil, a ruler, a calculator for sections 2 and 3, and a timer.

For the grown-up helping

Start the timer for each section, then step back. Please don't help with answers: it's a map, not a test of them. When it's done, photograph pages 2 to 7 in the app.

Upload the photos here

Section 1 15 min

Number

Photograph this page when you've finished

No calculator. Show your working in the boxes. Skip any you can't do.

1 **Work out** 7 × 46 **(1 mark)**

2 **Work out** 1000 − 375 **(1 mark)**

3 **Write** 0.7 as a fraction. **(1 mark)**

4 **Work out** 3/4 of 60 **(1 mark)**

5 **Round** 3,847 to the nearest hundred. **(1 mark)**

6 **Work out** 25% of 84 **(1 mark)**

7 **Simplify** 12/30 **(1 mark)**

8 **Work out** 2.4 + 3.75 **(1 mark)**

9 **Write** 0.5, 0.45 and 0.405 in order, smallest first. **(1 mark)**

10 It is −3 °C. The temperature rises by 8 degrees. What is the new temperature? **(1 mark)**

Section 1

Number, continued

Photograph this page when you've finished

11 **Work out** 15% of 80 **(2 marks)**

12 **Share** £36 in the ratio 1 : 3 **(2 marks)**

End of section 1. Take a short break: stand up, stretch, get some water.

Section 2 15 min

Algebra and shape

Photograph this page when you've finished

Calculator allowed. Show your working.

13 **Solve** x + 9 = 15 **(1 mark)**

14 **Solve** 3x − 4 = 11 **(2 marks)**

15 **Work out** 2a + b when a = 4 and b = −3 **(2 marks)**

16 **Expand** 4(x + 3) **(1 mark)**

17 A rectangle is 8 cm long and 5.5 cm wide. **Work out** its area. **(2 marks)**

18 Two angles in a triangle are 47° and 68°. **Work out** the third angle. **(2 marks)**

Section 2

Algebra and shape, continued

Photograph this page when you've finished

19 Here is a sequence: 5, 9, 13, 17. **Write** the next two numbers. **(1 mark)**

20 A bag has 3 red counters and 5 blue counters. One counter is taken at random. **Write** the probability that it is red. **(1 mark)**

End of section 2. Take a short break: stand up, stretch, get some water.

Section 3 15 min

Solving problems

Photograph this page when you've finished

Calculator allowed. These get harder. Do what you can.

21 A coat costs £85. In a sale it is 20% off. **Work out** the sale price. **(2 marks)**

22 A right-angled triangle has two shorter sides of 6 cm and 8 cm. **(3 marks)**
Work out the length of the longest side.

23 **Factorise** $x^2 + 7x + 12$ **(2 marks)**

Section 3

Solving problems, continued

Photograph this page when you've finished

24 **Solve** the simultaneous equations $2x + y = 11$ and $x - y = 1$ **(3 marks)**

25 £2,000 is invested at 3% compound interest per year. **Work out** its value after 2 years. **(3 marks)**

26 **Write** 45,000 in standard form. **(1 mark)**

27 A right-angled triangle has a longest side of 12 cm and an angle of 30°. **Work out** the length of the side opposite the 30° angle. **(3 marks)**

All done

Well done for getting through it. Every answer helps, including the ones you skipped.

1. Your grown-up photographs pages 2 to 7 in the app.
2. Your answers are marked by AI, three separate times, so the result is reliable.
3. We use what you already know to plan your first booklets.

How did it feel? Tick the ones that are true.

- [ ] Section 1 felt OK
- [ ] Section 2 felt OK
- [ ] Section 3 felt OK

Something wrong with a question? Tell us in the app and we'll check it.