

Maths Paper 1

Warm-up level · 25 questions · 25 minutes

No calculator

FREE SAMPLE PAPER

Name _____

Date _____

Score

/ 25

Instructions

- You have 25 minutes to answer 25 questions.
- Each question has five answers, A to E. Only one is correct.
- Mark your answer on the answer sheet at the back (or circle it on the paper if you are not using the answer sheet).
- You must not use a calculator. Use the working space next to each question.
- If you get stuck, don't spend too long on one question. Move on and come back to it if you have time.
- If you change your mind, rub out your first answer completely.

For parents

These papers are half the length of a typical 11+ maths paper, but keep the real pace of about one minute per question – so practice fits into a busy week and still prepares your child for the real thing. Sit somewhere quiet, set a timer for 25 minutes and stop when it rings. Mark the paper with the answer guide: every question has an explanation and a tip for getting it right next time, plus a topic table to help you spot patterns.





- 1 What is the value of the digit 7 in the number 372,845?

A 7

B 700

C 7,000

D 70,000

E 700,000

Working

- 2 Work out $348 + 275$.

A 613

B 623

C 513

D 633

E 523

Working

- 3 Which of these numbers is a factor of 36?

A 5

B 7

C 8

D 10

E 9

Working

- 4 What is $\frac{3}{4}$ of 28?

A 7

B 14

C 21

D 25

E 84

Working

- 5 At midnight the temperature was -3°C . By midday it had risen by 8 degrees. What was the temperature at midday?

A 5°C

B -5°C

C 11°C

D -11°C

E 8°C

Working

- 6 Work out $702 - 286$.

A 416

B 424

C 516

D 584

E 484

Working

- 7 How many millilitres are there in 2.5 litres?

A 25 ml

B 250 ml

C 2,050 ml

D 2,500 ml

E 25,000 ml

Working



8 Which fraction is equivalent to $\frac{2}{5}$?

A $\frac{4}{8}$

B $\frac{4}{10}$

C $\frac{5}{10}$

D $\frac{2}{10}$

E $\frac{6}{10}$

Working

9 What is the next number in this sequence? 3, 7, 11, 15, ...

A 17

B 18

C 19

D 20

E 23

Working

10 What is 25% of 80?

A 4

B 8

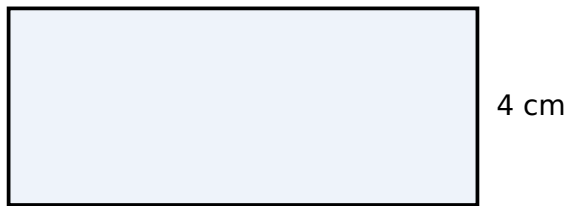
C 25

D 40

E 20

Working

11 This rectangle is 9 cm long and 4 cm wide. What is its perimeter?



Not drawn to scale

A 13 cm

B 18 cm

C 26 cm

D 36 cm

E 52 cm

Working

12 Which of these is a prime number?

A 21

B 27

C 33

D 29

E 39

Working

13 Work out 36×7 .

A 212

B 252

C 242

D 262

E 2,142

Working



- 14 What number goes in the box? $\square \times 6 = 54$

A 9 **B** 8 **C** 48 **D** 60 **E** 324

Working

- 15 Which of these numbers is the largest?

A 0.7 **B** 0.65 **C** 0.69 **D** 0.071 **E** 0.709

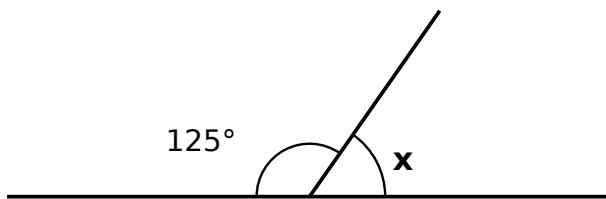
Working

- 16 Sam buys 3 pens that cost 45p each. He pays with a £2 coin. How much change does he get?

A 35p **B** 55p **C** 65p **D** £1.35 **E** £1.55

Working

- 17 The diagram shows two angles on a straight line. What is the size of angle x?



Not drawn to scale

A 55° **B** 45° **C** 65° **D** 125° **E** 235°

Working

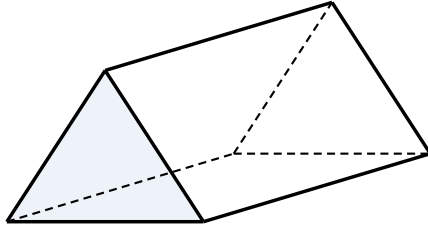
- 18 A recipe for 4 people uses 300 g of flour. How much flour is needed for 8 people?

A 150 g **B** 300 g **C** 450 g
D 1,200 g **E** 600 g

Working



- 19 How many faces does a triangular prism have?



A 3 **B** 4 **C** 6 **D** 5 **E** 9

Working

- 20 A film starts at 6:45 pm and lasts 1 hour 50 minutes. What time does it finish?

A 7:35 pm **B** 8:35 pm **C** 8:25 pm
D 8:45 pm **E** 9:35 pm

Working

- 21 What is the area of a rectangle that is 7 cm long and 5 cm wide?

A 12 cm² **B** 24 cm² **C** 35 cm²
D 70 cm² **E** 140 cm²

Working

- 22 Work out $\frac{1}{4} + \frac{3}{8}$.

A $\frac{4}{12}$ **B** $\frac{4}{8}$ **C** $\frac{3}{8}$ **D** $\frac{3}{4}$ **E** $\frac{5}{8}$

Working

- 23 Point P is at (3, 5). It is moved 2 squares to the right and 3 squares down. What are its new coordinates?

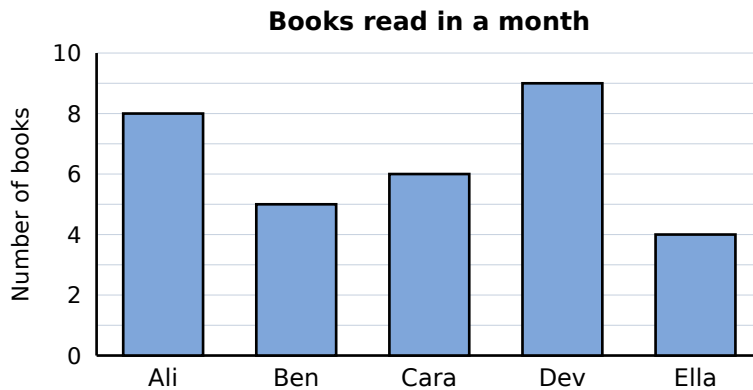
A (1, 8) **B** (5, 2) **C** (5, 8) **D** (1, 2) **E** (2, 5)

Working



24

The bar chart shows how many books five children read in a month. How many books did they read altogether?

**A** 9**B** 30**C** 31**D** 32**E** 34

Working

25

Look at the same bar chart. How many more books did Dev read than Ella?

A 5**B** 4**C** 9**D** 13**E** 6

Working

End of paper - go back and check your answers.



Answer sheet

Name _____

Date _____

Fill in one box for each question, like this: **1**

A	B	C	D	E
☐	☐	☐	☐	☐

10

A	B	C	D	E
☐	☐	☐	☐	☐

19

A	B	C	D	E
☐	☐	☐	☐	☐

2

A	B	C	D	E
☐	☐	☐	☐	☐

11

A	B	C	D	E
☐	☐	☐	☐	☐

20

A	B	C	D	E
☐	☐	☐	☐	☐

3

A	B	C	D	E
☐	☐	☐	☐	☐

12

A	B	C	D	E
☐	☐	☐	☐	☐

21

A	B	C	D	E
☐	☐	☐	☐	☐

4

A	B	C	D	E
☐	☐	☐	☐	☐

13

A	B	C	D	E
☐	☐	☐	☐	☐

22

A	B	C	D	E
☐	☐	☐	☐	☐

5

A	B	C	D	E
☐	☐	☐	☐	☐

14

A	B	C	D	E
☐	☐	☐	☐	☐

23

A	B	C	D	E
☐	☐	☐	☐	☐

6

A	B	C	D	E
☐	☐	☐	☐	☐

15

A	B	C	D	E
☐	☐	☐	☐	☐

24

A	B	C	D	E
☐	☐	☐	☐	☐

7

A	B	C	D	E
☐	☐	☐	☐	☐

16

A	B	C	D	E
☐	☐	☐	☐	☐

25

A	B	C	D	E
☐	☐	☐	☐	☐

8

A	B	C	D	E
☐	☐	☐	☐	☐

17

A	B	C	D	E
☐	☐	☐	☐	☐

9

A	B	C	D	E
☐	☐	☐	☐	☐

18

A	B	C	D	E
☐	☐	☐	☐	☐

Score: / 25

Mark with the PrimaryTools answer guide for Maths Paper 1.