

Maths mini paper

10 questions | Suggested practice time: 10 minutes. Untimed practice is also welcome.

Choose one answer, A-D, for each question. Use rough paper for working. No calculator. The suggested time is ours, not the timing of a particular school or examination.

1. What is $\frac{3}{4}$ of 24?

A. 21 B. 18 C. 12 D. 6

2. Calculate $347 + 286$.

A. 533 B. 623 C. 643 D. 633

3. A ribbon is 18 cm long. It is cut into 3 equal pieces. How long is each piece?

A. 7 cm B. 15 cm C. 54 cm D. 6 cm

4. What is 25% of 36?

A. 12 B. 9 C. 18 D. 11

5. A rectangle is 8 cm long and 5 cm wide. What is its perimeter?

A. 26 cm B. 21 cm C. 40 cm D. 13 cm

6. The numbers are 12, 14, 16 and 18. What is their mean?

A. 14 B. 16 C. 60 D. 15

7. Which fraction is equal to $\frac{3}{6}$?

A. $\frac{1}{3}$ B. $\frac{1}{2}$ C. $\frac{2}{3}$ D. $\frac{3}{4}$

8. One angle on a straight line is 70° . What is the other angle?

A. 110° B. 70° C. 20° D. 290°

9. A bag costs £1.25. What do 4 bags cost?

A. £6.25 B. £3.75 C. £1.29 D. £5.00

10. Solve: $5 \times \square + 3 = 38$.

A. 8 B. 6 C. 35 D. 7

Maths mini paper - answers and explanations

One mark per correct answer. No negative marking. Raw practice scores are not standardised scores, pass marks or admission predictions.

1. B - 18

Divide 24 by 4, then multiply by 3: $6 \times 3 = 18$.

2. D - 633

Add hundreds, tens and units with carrying: $347 + 286 = 633$.

3. D - 6 cm

$18 \div 3 = 6$. Each piece is 6 cm.

4. B - 9

25% is one quarter. $36 \div 4 = 9$.

5. A - 26 cm

Two lengths plus two widths: $2 \times (8 + 5) = 26$ cm.

6. D - 15

Add the four numbers and divide by 4: $60 \div 4 = 15$.

7. B - $\frac{1}{2}$

Divide numerator and denominator by 3: $\frac{3}{6} = \frac{1}{2}$.

8. A - 110°

Angles on a straight line total 180° . $180 - 70 = 110^\circ$.

9. D - £5.00

$125 \text{ pence} \times 4 = 500 \text{ pence} = £5.00$.

10. D - 7

Subtract 3 to get 35, then divide by 5: $\square = 7$.