

PAPER 1 · BOOKLET A

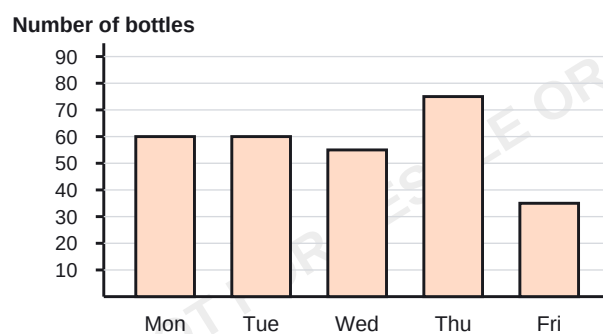
26 marks · Questions 1 – 18 · multiple choice (A – D)

Questions 1 to 10 carry 1 mark each and Questions 11 to 18 carry 2 marks each. For each question, choose the one correct answer. Calculators are NOT allowed in Paper 1.

1. What is $\frac{1}{8}$ of 14? [1 mark]

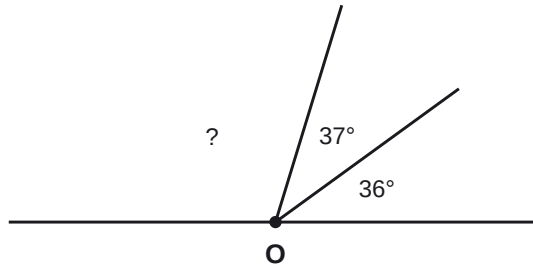
- A $1\frac{3}{4}$
- B $1\frac{7}{8}$
- C $2\frac{3}{4}$
- D 112

2. The bar graph shows the number of bottles recycled on 5 days. What is the total for the 5 days? [1 mark]



- A 75
- B 285
- C 290
- D 295

3. The figure shows three angles on a straight line at O. Find the angle marked ?. [1 mark]



- A 73°
- B 101°
- C 103°
- D 107°

THE WORKED ANSWERS TO THOSE 3 QUESTIONS

1. What is $\frac{1}{8}$ of 14? [1 mark] [Fractions]

Correct answer: A — $1\frac{3}{4}$

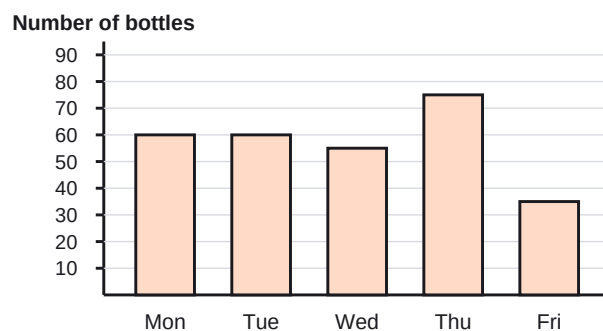
- ' $\frac{1}{8}$ of 14' means $\frac{1}{8} \times 14$.
- $\frac{1}{8} \times 14 = 1\frac{3}{4}$.
- Why the other options are wrong:
- B ($1\frac{7}{8}$): Multiply the whole number by the numerator only after dividing by the denominator.
- C ($2\frac{3}{4}$): Multiply, do not add.
- D (112): The fraction was flipped.

LOS: Number and Algebra · Fractions

KEY TAKEAWAY

To find a fraction of a number, divide by the denominator, then multiply by the numerator.

2. The bar graph shows the number of bottles recycled on 5 days. What is the total for the 5 days? [1 mark] [Bar graph]



Correct answer: B — 285

- Read each bar: Mon 60, Tue 60, Wed 55, Thu 75, Fri 35.
- Total = $60 + 60 + 55 + 75 + 35 = 285$.

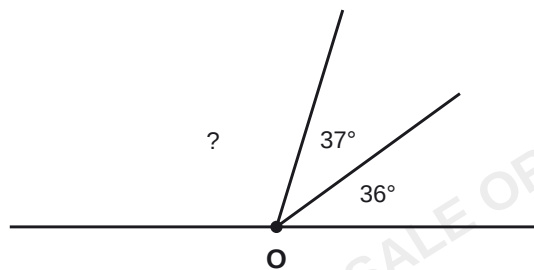
- Why the other options are wrong:
- A (75): That is the biggest day only.
- C (290): A slip in the arithmetic: check each step again.
- D (295): A slip in the addition.

LOS: Statistics · Bar graph

KEY TAKEAWAY

Read each bar carefully from the vertical scale before adding.

3. The figure shows three angles on a straight line at O. Find the angle marked ?. [1 mark]
[Angles]



Correct answer: D — 107°

- Angles on a straight line add up to 180° .
- $36^\circ + 37^\circ = 73^\circ$.
- The missing angle = $180^\circ - 73^\circ = 107^\circ$.
- Why the other options are wrong:
- A (73°): That is the sum of the two given angles.
- B (101°): A slip in the arithmetic: check each step again.
- C (103°): A slip in the arithmetic: check each step again.

LOS: Measurement and Geometry · Angles

KEY TAKEAWAY

Angles on a straight line add up to 180° .