Maths Grade 6 — Practice Exam 2 — Answers & Explanations

Answers to the 15 questions in the free preview.

Numeracy

1. C. −7 °C, −2 °C, 0 °C, 4 °C
The further below zero, the colder: −7 °C is colder than −2 °C, which is colder than 0 °C and 4 °C.

2. C. 1250
1 litre is 1000 mL, so 1.25 L is 1.25 × 1000 = 1250 mL.

3. A. 0.3
It either rains or it does not, so the two chances add to 100%. 100% − 70% = 30%, which is 0.3 as a decimal.

4. D. 200 L
A bathtub holds roughly 150 to 250 litres, so 200 L is the best estimate. 20 L is about two buckets.

5. A. 40°
One arm is along 0° on the outer scale, so read the outer scale where the other arm crosses it: 40°. Reading the inner scale gives 140°.

6. C. 21
A composite number has more than two factors. 21 = 3 × 7, so it is composite. 2, 13 and 29 are prime.

7. C. 10
Yellow is 1 of 4 equal parts, so it should come up about a quarter of the time. A quarter of 40 is 10.

8. Answer: 12
84 ÷ 7 = 12. Check: 7 × 12 = 84.

9. Answer: $0.25
$6 is 600 cents, and 600 ÷ 24 = 25, so each pencil costs 25 cents, which is $0.25.

10. B. week 2 and week 3
The steepest part of the graph is between week 2 and week 3, where the height goes from 22 cm to 38 cm, a growth of 16 cm.

11. B. 3
The mode is the most common value. The team scored 3 goals in four games, more often than any other score.

12. D. 480
Multiplying by 100 makes each digit worth 100 times as much, which moves the digits two places to the left: 4.8 × 100 = 480.

13. A.
A square pyramid has a square base and 4 triangles (5 faces), 8 edges and 5 corners. The triangular prism also has 5 faces, but it has 9 edges and 6 corners.

14. Answer: 21
Each fifth of 35 is 7 students. Girls make up 3 fifths: 3 × 7 = 21.

15. Answer: 60
The bus sector is 30% of the students, and 30% of 200 is 60.

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PREVIEW

That’s the end of the preview answers

These are the answers to the 15 preview questions. The full answer key covers all 30 questions in Maths Grade 6 — Practice Exam 2, with the working behind every mark.

STILL TO COME	QUESTIONS	MARKS
Numeracy	15	15

The full paper comes with

- Every question, printed exactly like the ones in this preview
- The complete answer key, with the working behind every mark
- A topic report after marking, showing what to practice next

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