Maths Grade 6 — Practice Exam 3 — Answers & Explanations

Answers to the 15 questions in the free preview.

Numeracy

1. Answer: 64
49 = 7 × 7, so the next square number is 8 × 8 = 64.

2. B. (−4, 1)
Q is 4 units to the left of the y-axis and 1 unit up, so its coordinates are (−4, 1). The x-coordinate always comes first, which is why (1, −4) is wrong.

3. D. 16
16 = 4 × 4 is a square number and it is even. 9 and 25 are square but odd, and 18 is even but not square.

4. B. $14.40
4 × $3.60 = $14.40: 4 × $3 = $12 and 4 × 60c = $2.40.

5. B. 9
Students with a cat but not a dog are in the Cat circle outside the overlap: 9. 14 includes the 5 who have both.

6. Answer: 34
12 × 3 = 36, and 36 − 2 = 34.

7. C. 11 April
March has 31 days. From 25 March to 31 March is 6 days, which leaves 11 more days, so the birthday is 11 April.

8. D. Wednesday
40 books were borrowed on Monday, and half of 40 is 20. The Wednesday bar reaches 20.

9. C. 350 mL
The juice is at 650 mL: the labels go up by 250, and it is 3 small marks of 50 mL above 500. 1 litre is 1000 mL, so 1000 − 650 = 350 mL more is needed.

10. B. 7.5
The hundredths digit is 8, which is 5 or more, so the tenths digit goes up from 4 to 5: 7.5.

11. A. 3 hours 27 minutes
From 10:48 am to 1:48 pm is 3 hours, and from 1:48 pm to 2:15 pm is 27 minutes. The journey takes 3 hours 27 minutes.

12. C. Netball
Only for netball is the girls' bar taller than the boys' bar: 12 girls and 3 boys. For the other sports, more boys play.

13. Answer: 40
2.4 m is 240 cm, and 240 ÷ 6 = 40 cm.

14. B. 95 minutes, by 5 minutes
1.5 hours is 90 minutes, so 95 minutes is longer by 5 minutes. Reading 1.5 hours as 1 hour 50 minutes is a common mistake.

15. Answer: 15
Design 4 has 1 + 2 + 3 + 4 = 10 counters, and Design 5 adds a row of 5: 10 + 5 = 15.

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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 3, 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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