Maths Grade 5 — Practice Exam 3 — Answers & Explanations

Answers to the 15 questions in the free preview.

Numeracy

1. Answer: 5 lessons

The Wednesdays in July are the 2nd, 9th, 16th, 23rd and 30th. That is 5 lessons.

2. D. 12 m

A bus is about as long as 6 or 7 adults lying end to end, so about 12 m. 1.2 m is shorter than a person is tall.

3. C. 240 ÷ 30

The 240 students are split into groups of 30, one group for each bus, so divide: 240 ÷ 30 = 8 buses. 30 ÷ 240 divides the wrong way round.

4. B. square metres

Area is measured in square units, and a football field is large, so square metres suit it. Centimetres and kilometres measure length.

5. B. 1/4

25% means 25 out of 100, and 25/100 simplifies to 1/4. 1/25 would be only 4%.

6. Answer: 5/8

Both fractions are eighths, so add the eighths: 2 eighths + 3 eighths = 5 eighths, which is 5/8. Adding the bottom numbers as well would wrongly give 5/16.

7. Answer: $8

10% is one tenth, and $80 ÷ 10 = $8.

8. C. 1.7 kg

Each small mark is 0.1 kg. The needle is 2 marks past 1.5, so the parcel is 1.5 + 0.2 = 1.7 kg.

9. Answer: 2 stickers

6 × 8 = 48, so each friend gets 8 stickers and 50 − 48 = 2 are left over.

10. Answer: 288 pencils

24 × 12 = 288. One way: 24 × 10 = 240 and 24 × 2 = 48, and 240 + 48 = 288.

11. Answer: 42

The number of chairs goes up by 4 for each table: 6, 10, 14, … For n tables there are 4n + 2 chairs, so 10 tables need 4 × 10 + 2 = 42.

12. C. 12

36 ÷ 12 = 3 and 48 ÷ 12 = 4, so 12 is a factor of both. 8 does not divide 36, and 9 and 18 do not divide 48.

13. Answer: 13 students

Everyone inside the “Has a dog” circle has a dog: 9 who have only a dog and 4 who have both. 9 + 4 = 13.

14. C. Bella

Compare tenths first: Bella’s 2.5 has 5 tenths, and 2.45 and 2.405 have only 4 tenths. 2.5 is the same as 2.50, which is more than 2.45.

15. B. the library

Two squares west (left) of the school is the pool, at B4. Three squares south (down) from B4 is B1, the library.

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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 5 — 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
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