EXAM PAPER

# Maths Grade 6 — Practice Exam 1

**PREVIEW**
This file has the first 15 of the 30 questions in this paper. The rest is locked: it comes with a PrepNest plan, or with the paper itself for VCE.

Total time: 45 minutes

## SECTIONS IN THIS PAPER

- Numeracy — 45 min

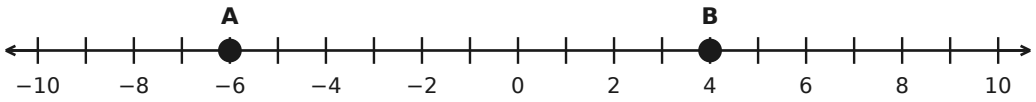
### INSTRUCTIONS

Answer every question you can. Write your working in the space provided for long-answer questions. Marking guidance and full explanations are provided in the separate answer key.

# Numeracy

45 minutes

1. Point A shows the temperature at dawn and point B shows the temperature at noon.
By how many degrees did the temperature rise?




A. 2

B. 4

C. 10

D. −10

2. The first number in a pattern is 2.4.
Each number after that is 0.3 less than the one before it.
What is the fourth number in the pattern?

A. 1.2

B. 1.8

C. 3.3

D. 1.5

3. Everything in the shop is 25% off.
What is the sale price of the backpack?




A. $12

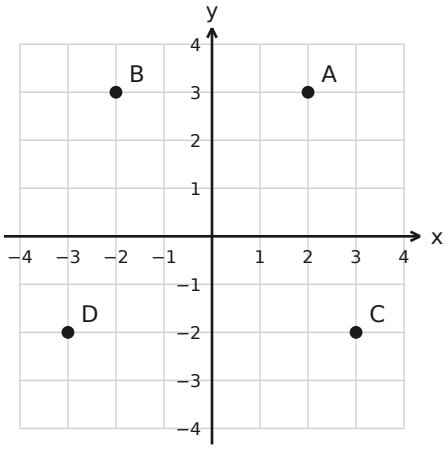
B. $23

C. $36

D. $44

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4. Which point has coordinates (−2, 3)?




A. A

B. B

C. C

D. D

5. Which of these numbers is a prime number?

A. 29

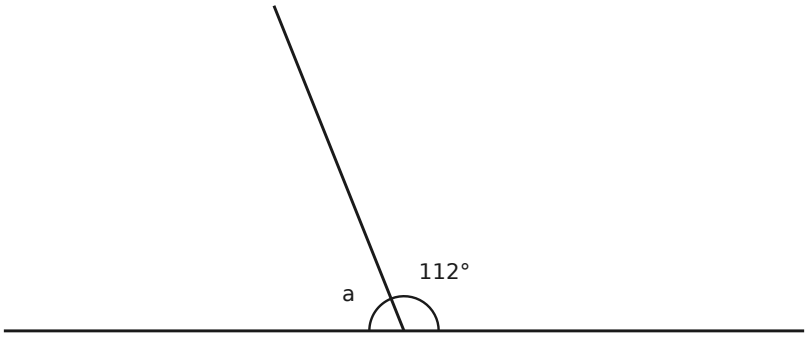
B. 21

C. 27

D. 33

6. A square has a perimeter of 36 cm.
What is its area, in square centimetres?

7. The bottom line is a straight line.
What is the size of angle a?




°

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8. Kai tossed a fair coin 20 times and got 14 heads.
Which statement is correct?

A. The coin must be unfair.

B. The next toss is more likely to be tails.

C. Getting 14 heads in 20 tosses is possible with a fair coin.

D. He will get 14 heads every time he tosses the coin 20 times.

9. Which survey question would collect continuous numerical data?

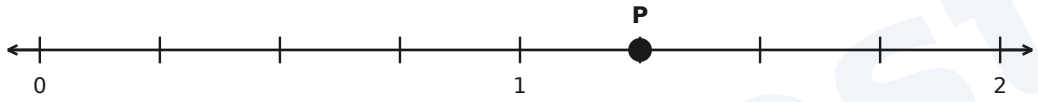
A. How many pets do you have?

B. What is your favourite subject?

C. What is your height, in centimetres?

D. Which suburb do you live in?

10. Which number is at point P?




A. 1 1/4

B. 1 1/2

C. 5/2

D. 1 1/5

11. Nadia’s family drove 450 km on the first day of their holiday.
On the second day they drove 3/5 of that distance.
How far did they drive on the second day?

_____ km

12. A bag has 4 red, 6 blue and 10 yellow balls. One ball is chosen without looking.
What is the probability of choosing a red ball, as a percentage?

A. 4%

B. 25%

C. 40%

D. 20%

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13. In a sale, every item is 20% off the price shown.
What is the sale price of the shoes?




A. $17.00

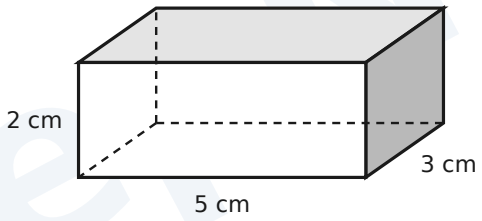
B. $65.00

C. $68.00

D. $105.00

14. Ella had $23 in her bank account.
She paid a bill of $40 from the account.
What is her balance now?

15. This box is packed with 1 cm cubes, with no gaps.
How many cubes fit in the box?




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**16.**

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**27.**

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**28.**

**29.**

**30.**

15 questions locked, up to question 30.

PREVIEW

# That’s the end of the preview

You’ve seen the first 15 of the 30 questions in Maths Grade 6 — Practice Exam 1. The full paper is worth 30 marks.

| 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

Get the full paper at

**prepnest.com.au/practice/exams/math-grade_6-1**

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