



Test Papers
Hub.

NSW Year 6 Practice Paper 1

Mathematics

30 questions · 4 options each (A–D) · 35 minutes · No calculator

How to use this booklet

- There are 30 questions in this paper. For each question there are four possible answers, A, B, C and D. Choose the one correct answer.
 - You will not lose marks for incorrect answers, so attempt every question.
 - Calculators are not allowed. You have 35 minutes. You may do rough working on the paper.
- Practice paper written for the NSW Mathematics K–10 Syllabus (2022), Stage 3 (Years 5–6). It is not an official exam.

MATHEMATICS — 30 QUESTIONS

Multiple choice · 35 minutes

Work through the questions in order, but do not spend too long on any one. Mark your best answer for every question, then check your work against the worked solutions.

1. At a point, two angles of 38° and one more angle meet to make a full turn. What is the size of the one more angle?

- A 284°
- B 294°
- C 104°
- D 76°

2. What is the smallest number that is a multiple of both 10 and 15?

- A 40
- B 150
- C 30
- D 5

3. Jade wants to raise \$300,000 for a school garden. So far \$64,597 has been raised. How much more is needed?

- A \$236,403
- B \$235,403
- C \$235,393
- D \$364,597

4. A pictograph uses symbols to show how many people visited the library each day. Each symbol stands for 10 people. The table lists how many symbols were drawn for each day. How many MORE people visited on Tuesday than on Friday?

Library visitors (each symbol = 10 people)

Day	Number of symbols
Wednesday	2
Tuesday	7.5
Friday	6.5
Thursday	7

- A 1
- B 10
- C 20
- D 140

5. Three corners of a rectangle are A(1, 1), B(6, 1), C(1, 4). What are the coordinates of the fourth corner?

- A (6, 5)
- B (4, 6)
- C (6, 4)
- D (7, 4)

6. A film starts at 7:55 pm and lasts 1 hours and 50 minutes. At what time does it finish?

- A 9:45 am
- B 8:45 pm
- C 9:45 pm
- D 10:45 pm

7. Which of these fractions is the largest? $\frac{2}{3}$, $\frac{1}{10}$, $\frac{3}{10}$, $\frac{1}{5}$

- A $\frac{1}{5}$
- B $\frac{1}{10}$
- C $\frac{3}{10}$
- D $\frac{2}{3}$

MATHEMATICS — 30 QUESTIONS

Answers & worked solutions

Answer Key

1	A	2	C	3	B	4	B	5	C	6	C
7	D	8	D	9	C	10	A	11	A	12	C
13	D	14	A	15	B	16	B	17	A	18	D
19	B	20	A	21	A	22	B	23	D	24	C
25	C	26	A	27	D	28	D	29	B	30	B

1. At a point, two angles of 38° and one more angle meet to make a full turn. What is the size of the one more angle? [Angles at a point]

Correct answer: A — 284°

- Angles at a point add to 360° .
- Two equal angles: $2 \times 38^\circ = 76^\circ$.
- Remaining angle = $360^\circ - 76^\circ = 284^\circ$.
- Why the other options are wrong:
 - B (294°): This is the correct answer (284°) plus 10: an extra 10 was added at the end of the calculation (an off-by-10 error).
 - C (104°): Angles at a point add to 360° .
 - D (76°): That is the total of the equal angles.

LOS: MA3-GM-03

KEY TAKEAWAY

Multiply for equal angles first, then subtract the total from 360° .

2. What is the smallest number that is a multiple of both 10 and 15? [Common multiples]

Correct answer: C — 30

- Multiples of 15: 15, 30, 45, 60 ...
- Check each against 10: the first that 10 divides into is 30.
- So the smallest common multiple is 30.
- Why the other options are wrong:
 - A (40): That is not a multiple of both.
 - B (150): That is a common multiple, but not the smallest.
 - D (5): That is the greatest common factor.

LOS: MA3-MR-01