

# PSLE Math Practice Pack (50 Questions)

50 exam-style questions across 10 core topics, with a full worked answer key. Primary 5–6.

Fifty bite-sized questions grouped by the ten topics that carry the most PSLE marks — from **Whole Numbers** to **Money**. Each is short-answer or a one-step word problem with clean numbers, so every answer is exact. Work through a section at a time, then self-mark against the **Answer Key** on the last page. Show your working — method marks count.

## TOPIC 1 · Q1–5

### Whole Numbers

1. Find the value of  $4 \times 7 \times 25$ .
2. Find the value of  $8000 - 3475$ .
3. Find the sum of the first 5 multiples of 6.
4. Round 1234 to the nearest hundred.
5. Find the value of  $96 \div 8 + 13$ .

## TOPIC 2 · Q6–12

### Fractions

1. Find the value of  $\frac{3}{4} + \frac{1}{8}$ .
2. Find the value of  $\frac{5}{6} - \frac{1}{3}$ .
3. Find the value of  $\frac{2}{5} \times 20$ .
4. Find the value of  $\frac{3}{4} \div \frac{1}{8}$ .
5. Find the value of  $2\frac{1}{4} + 1\frac{1}{2}$ .
6. Aisha ate  $\frac{3}{8}$  of a pizza. What fraction was left?
7.  $\frac{5}{12}$  of a number is 25. What is the number?

## TOPIC 3 · Q13–18

### Ratio

1. Express 18 : 24 in its simplest form.
2. Two numbers are in the ratio 2 : 3 and add up to 35. Find the larger number.
3. Two lengths are in the ratio 4 : 5. The shorter is 12 cm. Find the longer length.
4. Ben and Cara share 50 stickers in the ratio 3 : 7. How many more does Cara get?
5. \$60 is shared among three children in the ratio 2 : 3 : 5. Find the largest share.
6. Red and blue marbles are in the ratio 5 : 2. There are 20 red. How many blue?

## TOPIC 4 · Q19–25

### Percentage

1. Find 25% of 80.
2. Find 15% of 200.
3. 60 is what percentage of 240?
4. Increase 50 by 20%.
5. Decrease 80 by 25%.
6. A shirt costs \$40. With a 30% discount, how much is paid?
7. 40% of a class are boys. There are 18 boys. How many girls are there?

## TOPIC 5 · Q26–31

### Rate & Speed

1. A car travels at 60 km/h for 3 hours. How far does it go?
2. A van covers 240 km in 4 hours. Find its average speed.
3. How long to travel 150 km at 50 km/h?
4. A printer prints 5 pages every 2 minutes. How long to print 20 pages?
5. A tap fills 12 L in 4 minutes. How long to fill 30 L?
6. A train travels at 80 km/h for 2.5 hours. How far does it go?

## TOPIC 6 · Q32–37

### Area & Perimeter

1. Find the area of a rectangle 8 cm by 5 cm.
2. Find the perimeter of a rectangle 8 cm by 5 cm.
3. Find the area of a square of side 9 cm.
4. A square has area 49 cm<sup>2</sup>. Find its perimeter.
5. Find the area of a triangle with base 10 cm and height 6 cm.
6. A rectangle has area 48 cm<sup>2</sup> and length 12 cm. Find its width.

## TOPIC 7 · Q38–42

### Volume

1. Find the volume of a cube of side 4 cm.
2. Find the volume of a cuboid 5 cm × 3 cm × 2 cm.
3. Find the volume of a tank 10 cm × 5 cm × 4 cm.
4. A cube has volume 27 cm<sup>3</sup>. Find the length of one edge.
5. A 2 L bottle is full. 750 mL is poured out. How much is left?

## TOPIC 8 · Q43–46

### Angles

1. Two angles on a straight line; one is 110°. Find the other.
2. Three angles at a point are 90°, 120° and x°. Find x.
3. Find the angle that is complementary to 35°.
4. A triangle has angles 50° and 60°. Find the third angle.

## TOPIC 9 · Q47–48

### Average

1. Find the average of 12, 15 and 18.
2. The average of 4 numbers is 20. Three of them are 15, 25 and 30. Find the fourth.

## TOPIC 10 · Q49–50

### Money

1. 3 pens cost \$1.20 each. Paying with \$5, how much change?
2. Sam saves \$8 a week for 6 weeks. A toy costs \$60. How much more is needed?

## Answer Key

Final answers for all 50, with a working line for the word problems. Self-mark and revisit any you missed.

1. 700
2. 4525
3. 90 ( $6+12+18+24+30$ )
4. 1200
5. 25 ( $12 + 13$ )
6.  $\frac{7}{8}$
7.  $\frac{1}{2}$
8. 8
9. 6
10.  $3\frac{3}{4}$
11.  $\frac{5}{8}$
12. 60 ( $25 \div 5 \times 12$ )
13. 3 : 4
14. 21 ( $35 \div 5 \times 3$ )
15. 15 cm ( $12 \div 4 \times 5$ )
16. 20 more ( $50 \div 10 \times (7-3)$ )
17. \$30 ( $60 \div 10 \times 5$ )
18. 8 ( $20 \div 5 \times 2$ )
19. 20
20. 30
21. 25%
22. 60 ( $50 \times 1.2$ )
23. 60 ( $80 \times 0.75$ )
24. \$28 ( $40 \times 0.7$ )
25. 27 girls ( $18 \div 40 \times 100 = 45$ ;  $45 - 18$ )
26. 180 km ( $60 \times 3$ )
27. 60 km/h ( $240 \div 4$ )
28. 3 hours ( $150 \div 50$ )
29. 8 minutes ( $20 \div 5 \times 2$ )
30. 10 minutes ( $12 \div 4 = 3$  L/min;  $30 \div 3$ )
31. 200 km ( $80 \times 2.5$ )
32. 40 cm<sup>2</sup>
33. 26 cm ( $2 \times (8+5)$ )
34. 81 cm<sup>2</sup>
35. 28 cm (side 7;  $4 \times 7$ )
36. 30 cm<sup>2</sup> ( $\frac{1}{2} \times 10 \times 6$ )
37. 4 cm ( $48 \div 12$ )
38. 64 cm<sup>3</sup>
39. 30 cm<sup>3</sup>
40. 200 cm<sup>3</sup>
41. 3 cm ( $3 \times 3 \times 3 = 27$ )
42. 1250 mL ( $2000 - 750$ )
43. 70° ( $180 - 110$ )
44. 150° ( $360 - 90 - 120$ )
45. 55° ( $90 - 35$ )
46. 70° ( $180 - 50 - 60$ )
47. 15 ( $((12+15+18) \div 3)$ )
48. 10 ( $80 - 70$ )
49. \$1.40 ( $5 - 3 \times 1.20$ )
50. \$12 ( $60 - 8 \times 6$ )