

## Year 5 Maths Worksheets (Australian Curriculum): 30 questions with answers

Number and place value, fractions and decimals, measurement, chance and data: the Year 5 content NAPLAN tests in Year 5 and Year 7 assumes. No calculator. Answers on the last page.

### A. Number and place value

1. Write 46,208 in words.
2. Round 73,468 to the nearest thousand: \_\_\_\_\_
3.  $4,376 + 2,859 =$  \_\_\_\_\_
4.  $8,004 - 3,657 =$  \_\_\_\_\_
5.  $236 \times 4 =$  \_\_\_\_\_
6.  $57 \times 23 =$  \_\_\_\_\_

### B. Division, factors and primes

7.  $672 \div 6 =$  \_\_\_\_\_
8.  $925 \div 4 =$  \_\_\_\_\_ remainder \_\_\_\_\_
9. List all the factors of 24: \_\_\_\_\_
10. Is 87 a prime number? \_\_\_\_\_ (show why)

### C. Fractions and decimals

11.  $\frac{3}{8} + \frac{2}{8} =$  \_\_\_\_\_
12.  $\frac{7}{10} - \frac{3}{10} =$  \_\_\_\_\_ (simplest form)
13. Write 0.6 as a fraction in simplest form: \_\_\_\_\_
14. Order smallest to largest: 0.45, 0.5, 0.405
15.  $2.75 + 1.4 =$  \_\_\_\_\_
16.  $\frac{1}{4}$  of 60 = \_\_\_\_\_
17.  $3.2 \times 10 =$  \_\_\_\_\_

### D. Measurement and time

18. Perimeter of an 8 cm by 5 cm rectangle = \_\_\_\_\_
19. Area of the same rectangle = \_\_\_\_\_
20. 2.5 km = \_\_\_\_\_ m
21. 3,400 g = \_\_\_\_\_ kg
22. 10:45 am plus 2 hours 30 minutes = \_\_\_\_\_
23. 1.5 L = \_\_\_\_\_ mL
24. 7:20 pm in 24-hour time = \_\_\_\_\_

### E. Chance, data and angles

25. A spinner has 4 equal parts, 1 red.  $P(\text{red}) =$  \_\_\_\_\_
26.  $P(\text{tails})$  on one coin toss = \_\_\_\_\_
27. Mode of 5, 7, 5, 9, 5, 7 = \_\_\_\_\_

28. Scores 12, 15, 9, 14. Total = \_\_\_\_\_

29. On a die, which is more likely: a number less than 3, or an even number? \_\_\_\_\_

30. A right angle is \_\_\_\_\_°; a straight angle is \_\_\_\_\_°

## Answers

A. 1) forty-six thousand, two hundred and eight 2) 73,000 3) 7,235 4) 4,347 5) 944 6) 1,311

B. 7) 112 8) 231 remainder 1 9) 1, 2, 3, 4, 6, 8, 12, 24 10) No:  $87 = 3 \times 29$

C. 11)  $\frac{5}{8}$  12)  $\frac{4}{10} = \frac{2}{5}$  13)  $\frac{3}{5}$  14) 0.405, 0.45, 0.5 15) 4.15 16) 15 17) 32

D. 18) 26 cm 19)  $40 \text{ cm}^2$  20) 2,500 m 21) 3.4 kg 22) 1:15 pm 23) 1,500 mL 24) 19:20

E. 25)  $\frac{1}{4}$  (25%) 26)  $\frac{1}{2}$  27) 5 28) 50 29) an even number (3 outcomes vs 2) 30)  $90^\circ$ ;  $180^\circ$

### What the score means

26 to 30: on track for Year 6 and the Year 7 NAPLAN. 20 to 25: one section is weak; ten minutes a day on it for a month. Under 20: fractions and decimals (section C) are the usual gap and the one Year 6 assumes.

Science with Shobha teaches Year 5 maths 1-on-1 online at Australian after-school times (4 pm in Sydney is 11:30 am for the tutor), about A\$14 an hour, the recording of every class and the same tutor into Year 6 and NAPLAN. Free NAPLAN practice tests: [sciencewithshobha.com/subjects/naplan/](http://sciencewithshobha.com/subjects/naplan/)