

Year 6 Maths Practice Set

20 original Year-6 maths questions — fractions, decimals, percentages, area, volume, integers and problem solving — with a full answer key.

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Fractions, Decimals & Percentages

1. What is $\frac{3}{4}$ of 40?
(A) 30
(B) 32
(C) 20
(D) 28
2. What is $0.6 + 0.25$?
(A) 0.65
(B) 0.85
(C) 0.81
(D) 0.90
3. What is 25% of 160?
(A) 50
(B) 30
(C) 40
(D) 45
4. Which fraction is the largest?
(A) $\frac{2}{5}$
(B) $\frac{1}{2}$
(C) $\frac{3}{5}$
(D) $\frac{7}{10}$
5. What is 0.75 written as a fraction in simplest form?
(A) $\frac{3}{4}$
(B) $\frac{75}{10}$
(C) $\frac{1}{4}$
(D) $\frac{7}{5}$
6. What is $\frac{1}{2} + \frac{1}{4}$?
(A) $\frac{1}{3}$
(B) $\frac{3}{4}$
(C) $\frac{2}{4}$
(D) $\frac{2}{6}$

Measurement & Geometry

7. What is the area of a rectangle 9 cm by 6 cm?
(A) 44 cm²
(B) 30 cm²
(C) 54 cm²

(D) 15 cm^2

8. What is the perimeter of a square with sides 8 cm?

(A) 28 cm

(B) 16 cm

(C) 64 cm

(D) 32 cm

9. A cube has edges of 3 cm. What is its volume?

(A) 27 cm^3

(B) 36 cm^3

(C) 9 cm^3

(D) 18 cm^3

10. Angles on a straight line add up to —

(A) 90°

(B) 180°

(C) 270°

(D) 360°

11. How many degrees in a right angle?

(A) 45°

(B) 60°

(C) 90°

(D) 180°

Number, Integers & Problem Solving

12. What is $-5 + 12$?

(A) 17

(B) -17

(C) -7

(D) 7

13. What is the average (mean) of 14, 18 and 22?

(A) 18

(B) 22

(C) 54

(D) 16

14. Using order of operations, what is $3 + 4 \times 5$?

(A) 17

(B) 23

(C) 35

(D) 27

15. Two numbers are in the ratio 2 : 5. If the smaller is 6, what is the larger?

(A) 10

(B) 12

(C) 15

(D) 20

16. A \$60 game is reduced by 20%. What is the sale price?

- (A) \$50
- (B) \$52
- (C) \$40
- (D) \$48

Answer Key

1. A	2. B	3. C	4. D	5. A
6. B	7. C	8. D	9. A	10. B
11. C	12. D	13. A	14. B	15. C
16. D				

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