



Grade 6 Math Practice — Grade 6 (Set 1)

Core Skills Edition | Curriculum-aligned worksheet

Number Sense & Operations

Work with ratios, percentages, and order of operations.

1. What is 25% of 80?

- A) 15
- B) 20
- C) 25
- D) 40

2. Express 3:5 as a fraction.

- A) $\frac{3}{5}$
- B) $\frac{5}{3}$
- C) $\frac{3}{8}$
- D) $\frac{5}{8}$

3. Simplify the ratio 12:8.

- A) 6:4
- B) 3:2
- C) 4:3
- D) 2:3

4. Calculate: $(8 + 4) \times 3 \div 6$

- A) 30
- B) 36
- C) 42
- D) 24

5. What is 0.75 as a percentage?

- A) 7.5%
- B) 25%
- C) 75%
- D) 0.75%



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6. A 16-player team has 4 left-handed players. What percentage are left-handed? Round to one decimal.

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Fraction Operations*Add, subtract, multiply, and divide fractions.***7.** What is $\frac{2}{3} + \frac{3}{4}$?

- A) $\frac{5}{7}$
- B) $\frac{17}{12}$
- C) $\frac{5}{12}$
- D) $\frac{6}{7}$

8. What is $\frac{5}{6} \div \frac{1}{4}$?

- A) $\frac{4}{2}$
- B) $\frac{7}{12}$
- C) $\frac{1}{2}$
- D) $\frac{11}{12}$

9. What is $\frac{3}{5} \times \frac{2}{3}$?

- A) $\frac{6}{15}$
- B) $\frac{2}{5}$
- C) $\frac{5}{6}$
- D) $\frac{1}{5}$

10. What is $\frac{4}{5} \div 2$?

- A) $\frac{8}{5}$
- B) $\frac{2}{5}$
- C) $\frac{4}{10}$
- D) $\frac{2}{10}$

11. Express 0.375 as a fraction in lowest terms.

- A) $\frac{375}{1000}$
- B) $\frac{3}{8}$
- C) $\frac{37}{100}$
- D) $\frac{75}{200}$



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12. A recipe requires $\frac{2}{3}$ cup flour. You want to make $1\frac{1}{2}$ times the recipe. How much flour?

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Geometry & Measurement*Use formulas for area. Understand coordinate grids.***13.** A triangle has base 11 cm and height 11 cm. Its area is:

- A) 121
- B) 60.5
- C) 22
- D) 242

14. A parallelogram has base 11 cm and height 10 cm. Its area is:

- A) 21
- B) 110
- C) 55
- D) 42

15. On a coordinate grid, what are the coordinates of a point 3 right and 5 up from the origin?

- A) (5, 3)
- B) (3, 5)
- C) (3, -5)
- D) (-3, 5)

16. A shape has vertices at (0,0), (4,0), (4,3), (0,3). What is the perimeter?

- A) 7
- B) 12
- C) 14
- D) 24

17. A trapezoid has parallel sides of 11 cm and 10 cm and a height of 11 cm. Find its area.



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Patterning & Algebra

Write and evaluate expressions. Solve equations.

18. Solve: $4n + 7 = 31$

- A) $n = 5$
- B) $n = 6$
- C) $n = 7$
- D) $n = 8$

19. Write '5 less than 3 times n ' as an expression.

- A) $5 - 3n$
- B) $3n - 5$
- C) $3(n - 5)$
- D) $5n - 3$

20. If $x = 4$, what is $2x^2 + 3$?

- A) 35
- B) 19
- C) 11
- D) 67

21. The pattern rule is 'start at 3, add 3'. What is the 10th term?

- A) 27
- B) 30
- C) 33
- D) 24

22. A taxi charges \$3.50 base plus \$0.75/km. Write a formula for cost C after d km. Find cost for 12 km.



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Data Management & Probability

Interpret data, calculate measures of central tendency.

23. Find the mean of 7, 15, 11, 13.

- A) 10
- B) 11
- C) 12
- D) 15

24. Find the median of 7, 11, 13, 15.

- A) 7
- B) 12
- C) 13
- D) 15

25. A bag has 4 red, 3 blue, 3 green marbles. $P(\text{blue}) = ?$

- A) $\frac{4}{10}$
- B) $\frac{3}{10}$
- C) $\frac{3}{7}$
- D) $\frac{1}{3}$

26. A spinner has sections: 50% blue, 25% red, 25% green. Spin 40 times. About how many blue?

- A) 10
- B) 15
- C) 20
- D) 25

27. Scores: 7, 15, 11, 13, 7. Find mean, median, and mode.



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