

Mixed Practice Worksheet — Grade 6 Math

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Integers

1. An elevator starts at floor -3 . It goes up 8 floors, then down 2 floors. What floor does it end on?

2. Evaluate: -9×4

Ratios, Percents & Order of Operations

3. Simplify the ratio 16:24.

4. Pencils cost \$2 for a pack of 5. At the same rate, how much would 8 pencils cost?

5. What is 35% of 200?

6. Evaluate, showing your steps: $6 + 4 \times (9 - 6) - 3$

Patterns and Relations

7. What is the next number in the pattern: 4, 8, 16, 32, ___?

8. Solve for x , showing your steps: $x + 15 = 42$

9. Solve for x , showing your steps: $6x = 54$

10. Write an expression for “3 more than double a number, n .”

Shape and Space

11. Find the area of a triangle with base 14 cm and height 8 cm.

12. A quadrilateral has three angles measuring 90° , 85° , and 100° . What is the size of the fourth angle?

Statistics & Probability

13. Find the mean of: 20, 25, 30, 15, 35

14. Find the mode of: 3, 7, 7, 2, 9, 7

15. A bag has 6 blue and 14 red marbles. What is the probability of picking blue? Write your answer as a fraction in lowest terms.

Mixed Word Problems

16. The temperature starts at 5°C , drops 12°C overnight, then rises 4°C by morning. What is the morning temperature?

17. A classroom has students in two groups with a ratio of 3:4. If there are 28 students total, how many are in the smaller group?
18. A rental company charges \$5 plus \$2 per hour. Write an equation for the total cost (C) after h hours, then find how many hours you rented if the total was \$19.
19. The high temperatures this week were 34° , 12° , 28° , 19° , and 25°C . Find the range.
20. A store sells 15 markers for \$45, or 8 markers for \$28. Which option gives the better price per marker? Show your reasoning.