

# Advanced Problem Solving Strategies

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. Emma has 24 apples and gives 5 to her friend. How many apples does she have left?

\_\_\_\_\_

2. A recipe needs  $\frac{3}{4}$  cup of sugar. If you want to make half the recipe, how much sugar do you need?

\_\_\_\_\_

3.  $12.5 - 4.75 = \underline{\hspace{2cm}}$

4. Circle the greater number:  $\frac{1}{5}$ :

2 or  2

5. What number comes next? 2, 4, 8, \_\_\_\_\_

6.  $20 \div 4 = 6$

True  False

7. A train travels 150 miles in 3 hours. What is its average speed?

\_\_\_\_\_

8. John bought 3.5 yards of fabric and used 2.1 yards. How much fabric does he have left?

\_\_\_\_\_

9.  $(5 + 3) \times 2 = \underline{\hspace{2cm}}$

10. Samantha has 4 red balloons and 6 blue balloons. How many balloons does she have in total?

\_\_\_\_\_

11. Circle the lesser number: 3..6:

5 or  3

12. What number comes next? 10, 20, 30, \_\_\_\_\_

13.  $\frac{5}{8}$  is greater than  $\frac{3}{4}$

True  False

14. A box can hold 2.5 liters of water. If you fill it with 1.75 liters, how much more can it hold?

\_\_\_\_\_

$$15. 7 \times \frac{3}{4} = \underline{\hspace{2cm}}$$

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**Answer Key**

1. 19   2.  $\frac{3}{8}$    3. 7.75   4.  $\frac{1}{2}$    5. 16   6. False   7. 50   8. 1.4   9. 16   10. 10   11. 3.5   12. 40   13. False   14. 0.75   15. 5.25