

# Advanced Problem Solving Strategies

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5th Grade Math Practice

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

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

Solve each problem. Show your work when needed.

1.  $3/4 + 2/5 =$  \_\_\_\_\_

2.  $6.5 - 2.3 =$  \_\_\_\_\_

3. Sarah has  $2/3$  of a pizza. If she eats  $1/6$  of it, how much pizza does she have left?

\_\_\_\_\_

4. A box holds 12 liters of water. If 4.5 liters are poured out, how much is left in the box?

\_\_\_\_\_

5. Circle the greater fraction:  $3/12$ :

8 or  5

6. What number comes next in the sequence? 2, 4, 8, \_\_\_\_\_

7.  $7 \times 6 = 42$

True  False

8.  $1.25 + 3.75 =$  \_\_\_\_\_

9. If a book costs \$12.50 and you buy 3 books, how much will it cost in total?

\_\_\_\_\_

10. A garden bed is 3 feet long and 2 feet wide. What is the area of the garden bed?

\_\_\_\_\_

11.  $12 - (3 \times 2) =$  \_\_\_\_\_

12. Tom has  $5/6$  of a yard of fabric. He uses  $1/3$  of it. How much fabric does he have left?

\_\_\_\_\_

13. Convert 2500 milliliters to liters.

14. If it takes 4 hours to drive 200 miles, how fast were you driving in miles per hour?

\_\_\_\_\_

15. A recipe calls for  $3/4$  cup of sugar. If you decide to make double the recipe and then use  $1/2$  cup for another dish, how much sugar do you have left?

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**Answer Key**

1.  $\frac{43}{20}$  2. 4.2 3.  $\frac{1}{2}$  4. 7.5 5.  $\frac{5}{12}$  6. 16 7. True 8. 5 9. 37.50 10. 6 11. 6 12.  $\frac{1}{2}$  13. 2.5 14. 50 15. 1  $\frac{1}{2}$  cups