

HW 7: Mixed Practice

**Solve.**

1.  $4\frac{2}{3} + 2\frac{5}{7} =$  \_\_\_\_\_

2.  $1\frac{7}{12} \cdot 9 =$  \_\_\_\_\_

3.  $3\frac{1}{8} - 2\frac{4}{5} =$  \_\_\_\_\_

4.  $5 - 3\frac{5}{12} =$  \_\_\_\_\_

5.  $8 \div 3\frac{1}{6} =$  \_\_\_\_\_

6.  $9\frac{2}{3} \div \frac{5}{9} =$  \_\_\_\_\_

7. Mary earned \$68 selling bracelets. She is going to save  $\frac{1}{4}$  of the money she earned. How much money will she save? \_\_\_\_\_

8. How many  $\frac{3}{4}$  cup servings of cereal can be made from a box of cereal containing 12 cups? \_\_\_\_\_

9. One-half of Mrs. Allen's backyard is a garden. One-fourth of the garden is covered with weeds. What fraction of Mrs. Allen's backyard is covered with weeds? \_\_\_\_\_

10. Tony and George ordered a pizza for lunch. Tony ate  $\frac{3}{4}$  of the pizza and George ate  $\frac{1}{8}$  of the pizza. How much of the whole pizza was eaten by Tony and George? \_\_\_\_\_

**Complete the table.**

Exponential Form	Word Form	Product Form	Product
$4^5$			
		$5 \cdot 5 \cdot 5$	
			27
	9 squared		
$2^6$			
		$8 \cdot 8 \cdot 8 \cdot 8$	

**Solve. If there is a negative exponent, write your answer as a decimal and a fraction.**

12.  $10^4 =$  \_\_\_\_\_

13.  $10^{-4} =$  \_\_\_\_\_

14.  $10^3 =$  \_\_\_\_\_

15.  $10^{-3} =$  \_\_\_\_\_

15.  $10^7 =$  \_\_\_\_\_

17.  $10^{-7} =$  \_\_\_\_\_

18.  $10^5 =$  \_\_\_\_\_

19.  $10^{-5} =$  \_\_\_\_\_

20.  $10^0 =$  \_\_\_\_\_

21.  $10^{-1} =$  \_\_\_\_\_

22.  $\sqrt{25} =$  \_\_\_\_\_

23.  $\sqrt{121} =$  \_\_\_\_\_

24.  $\sqrt{1} =$  \_\_\_\_\_

25.  $-\sqrt{289} =$  \_\_\_\_\_

26.  $\sqrt{169} =$  \_\_\_\_\_

27.  $\sqrt{\frac{49}{64}} =$  \_\_\_\_\_

28.  $\sqrt{225} =$  \_\_\_\_\_

29.  $\sqrt{400} =$  \_\_\_\_\_