Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

Unit 5 Test Review/6+

Solve each problem. Show a setup.

 1. Mark exercised $\frac{4}{5} $of the time he normally exercises. If this is 64 minutes how many

 minutes does Mark normally exercise?

2. Select ***all*** the expressions that are greater than 1.

 A. $ 1 ÷ \frac{1}{15}$ C. $5÷\frac{3}{8}$ E. $\frac{4}{10} ÷ 2 $

B. $ \frac{1}{2} ÷ 4$ D. $\frac{14}{3}÷\frac{10}{3}$ F. $\frac{5}{8} ÷ \frac{1}{8} $

 3. What are the first 4 common multiples of each pair of numbers?

 A. 4 and 6

 B. 5 and 10

 C. 2 and 3

 D. 4 and 8

4. How many $\frac{1}{8} $centimeter cubes does it take to fill a box with a width of $3\frac{3}{8}$ centimeters, a length of

 $1\frac{1}{8}$ centimeters and a height of $5\frac{5}{8}$ centimeters?

Cubes = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 5. A quart of ice-cream holds 4 cups. If there are 3 quarts of ice-cream how much would each of

 5 people get if it was equally divided?

6. The area of a rectangle is $9\frac{5}{8}feet^{2}$. If the width is $3\frac{1}{2} feet$ what is the measurement of the

 length?

Length = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Select ***all*** statements that shows correct reasoning for finding the solution to $20 ÷ \frac{3}{5}.$

1. Multiple 20 by 3 then divide by 5.
2. Multiple 20 by 5 then divide by 3.
3. Multiple 20 by 5 then multiple by $\frac{1}{3}.$
4. Multiple 20 by $\frac{1}{5}$ then multiple by 3.

8. A box has a length of $2\frac{1}{4} inch$, a width of 1$\frac{1}{8} inch$ and a height of $3\frac{1}{9} inch.$ What is the volume

 of the box?

 Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. How many $\frac{1}{7} $inch cubes does it take to fill a box with a width of $1\frac{6}{7}$ inches, a length of $4\frac{2}{7}$ inches

 and a height of $1\frac{3}{7}$ inches?

 Cubes = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Select ***all*** equations that represent the situation.

Jack is bringing soda to a party for his friends. He brings $12\frac{1}{4}$ cups of soda for 4 of his friends. If the soda is divided evenly among the friends, how much will each get to drink?

1. $12\frac{1}{4} ÷4=z$ C. $4 ÷12\frac{1}{4}=z$
2. $4 ×z=12\frac{1}{4}$ D. $12\frac{1}{4} ×z=4$

 11. Sam completed $\frac{5}{8} $of his homework. If he has completed 15 problems how many problems was

 assigned for his homework?

Total number of problems = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 12. Lucy helped her mother paint the kitchen. It took $1\frac{4}{5}$ gallons to paint $\frac{5}{8} $of the kitchen. How many

 gallons of paint will it take to paint the entire kitchen?

Gallons = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 13. Add or subtract. Show your setups.

 $\frac{7}{8 }- \frac{3}{5}$ $3\frac{2}{3}+1\frac{3}{4}$

 $5\frac{1}{4}-4\frac{1}{8}$ $\frac{9}{10}+ \frac{7}{15}$

14. Solve each problem. You must show keep, change, flip.

 

 

 

 

15. A batch of brownies require $\frac{1}{8}$ cup of dark cocoa. If there are $\frac{3}{4} $cups of dark cocoa how many batches

 of brownies can be made?

16. Madison is at college. Every 5th day she calls her mother and every 6th day she calls her Aunt Lori.

 What will be the first day that Madison calls her mother and Aunt on the same day?

17. Mary is making party bags. She has 60 balloons and 54 pencils. What is the largest number of

 party bags Mary can make with the same number of balloons and pencils in each bag?