

Warm up back of 9

Place the numbers in decending order. $G \rightarrow L$

$$6.1 \times 10^{-1} \quad 0.067 \quad 8.9 \times 10^{-2} \quad 8\% \quad \frac{3}{5} \quad .6$$

(Handwritten annotations: underlines under 6.1, 8.9, and 8%; circles around the exponents -1 and -2; a blue arrow points from G to L above the text.)

$$6.1 \times 10^{-1}$$

$$\frac{3}{5}$$

$$8.9 \times 10^{-2}$$

$$8\%$$

$$0.067$$

$$1\frac{2}{3} + 2\frac{3}{4}$$

$$\frac{4 \times 5}{4 \times 3} + \frac{11 \times 3}{4 \times 3}$$

$$\frac{20}{12} + \frac{33}{12}$$

$$2\frac{5}{6} \times \frac{1}{4}$$

$$\frac{17}{6} \times \frac{1}{4} = \frac{17}{24}$$

$$\begin{array}{r} 4 \\ 12 \overline{) 53} \\ \underline{-48} \\ 5 \end{array}$$

$$\frac{53}{12}$$

$$4\frac{5}{12}$$

Multiply/Divide Fraction Word Problems - Homework

<p>1. "Midway" is the name of 252 towns in the United States. "Pleasant Hill" occurs $\frac{5}{9}$ as many times. How many towns named "Pleasant Hill" are there in the United States?</p> <p style="text-align: center;">$\frac{1}{3}$ of $\frac{3}{5}$ $\left(\frac{1}{5}\right)$</p>	<p>2. Of the students in Mr. Boggs' class, $\frac{3}{5}$ participate in an after school sport. Of these, $\frac{1}{3}$ participate in track and field. What fraction of the students participate in track and field?</p> <p style="text-align: center;">$\frac{1}{3}$ of $\frac{3}{5}$ $\left(\frac{1}{5}\right)$</p>
<p>3. Marty rode his skateboard $2\frac{1}{9}$ blocks today. Dean rode his skateboard $2\frac{1}{2}$ times as far. How many blocks did Dean ride his skateboard today?</p> <p style="text-align: center;">$5\frac{5}{18}$</p>	<p>4. Of the 480 students at Pleasantville Middle School, $\frac{13}{20}$ play a school sport. How many students play a sport?</p> <p style="text-align: center;">$\frac{13}{20}$ of 480 $\left(312\right)$</p>
<p>5. If $\frac{1}{4}$ of the squares on a checkerboard have a playing piece on it and $\frac{2}{3}$ of the pieces are black, then what fraction of the squares have a black playing piece?</p> <p style="text-align: center;">$\frac{2}{3}$ of $\frac{1}{4}$ $\left(\frac{1}{6}\right)$</p>	<p>6. How many $\frac{3}{4}$ foot lengths of pipe can be cut from a $6\frac{1}{3}$ foot pipe?</p> <p style="text-align: center;">$8\frac{4}{9}$</p>
<p>7. A truck driver drove 300 miles in $6\frac{3}{4}$ hours. How many miles per hour did the driver drive?</p> <p style="text-align: center;">$44\frac{4}{9}$</p> <p style="text-align: center;"> $\begin{array}{r} 44 \\ 27 \overline{) 1200} \\ \underline{108} \\ 120 \end{array}$ </p>	<p>8. A bag contains $22\frac{1}{2}$ cups of flour. A recipe for pancakes uses $1\frac{1}{4}$ cups of flour. How many batches of pancakes can be made with one bag of flour?</p> <p style="text-align: center;">18</p> <p style="text-align: center;"> $22\frac{1}{2} \div 1\frac{1}{4}$ $\frac{45}{2} \div \frac{5}{4}$ $\frac{45}{2} \times \frac{4}{5} = \frac{180}{10} = 18$ </p>
<p>9. An average ant is $\frac{1}{4}$ inch long. An average aphid is $\frac{3}{32}$ inch long. How many times longer is an average ant than an average aphid?</p> <p style="text-align: center;">$2\frac{2}{3}$</p>	<p>10. Suppose a hurricane traveled 130 miles in $6\frac{1}{2}$ hours. How many miles per hour did the hurricane travel?</p> <p style="text-align: center;">20</p>

$$6 \times 10^{(1)} = \underline{60}$$
$$2 \times 10^{(2)} = \underline{200}$$

1. Quiz
2. Test Review in Google Classroom

Show all work for each problem on page 12 in your spiral notebook.

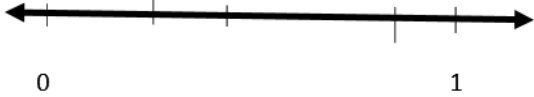

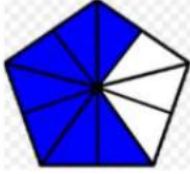
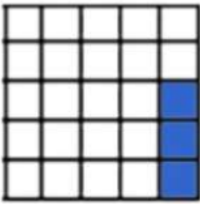
Test Review is due Monday before class

Genius Hour

IXL 6th Grade P.1, P.2

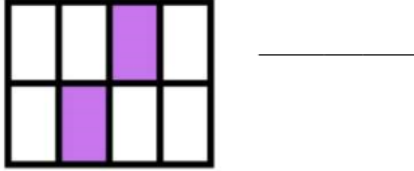
Advanced Math Unit 2 Review

<p>1. Rewrite the values in ascending order.</p> <p>0.27, $\frac{4}{11}$, 2.7×10^{-2}, 25%</p>	<p>2. Circle the number with the least value.</p> <p>6.03×10^{-1}, $\frac{2}{3}$, 6.5%, 0.6</p>
<p>3. Write the decimal equivalent of 12.9%.</p>	<p>4. Write true or false next to each statement.</p> <p>0.3% > 0.1 _____</p> <p>1 = 100% _____</p> <p>$2\frac{7}{12} < 12.9\%$ _____</p> <p>$\frac{19}{5} < 3.792$ _____</p>
<p>5. Circle all of the following values that are equivalent to 13.5%.</p> <p>13.5 0.135 $\frac{135}{1000}$ $\frac{135}{100}$ 1,350 1.35</p>	<p>6. Rewrite the following numbers in descending order.</p> <p>12.5%, 1.5, $1\frac{1}{8}$</p>
<p>7. Rewrite the following numbers in ascending order.</p> <p>$1\frac{1}{3}$, 130%, 0.33</p>	<p>8. Rewrite the following numbers from greatest to least.</p> <p>41.5%, $\frac{2}{5}$, 1.405</p>
<p>9. $\frac{3}{4} \times 2\frac{1}{2}$</p>	<p>10. $2\frac{1}{2} \div 1\frac{1}{3}$</p>

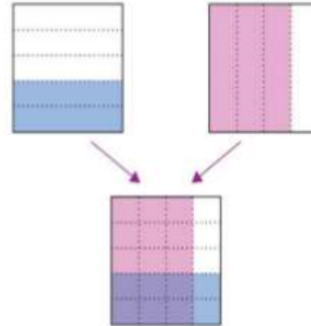
<p>11. Circle the number with the least value.</p> <p>6.5%, $\frac{23}{1000}$, $\frac{2}{9}$, 0.004</p>	<p>12. Write the decimal and percent equivalent for $\frac{2}{5}$.</p>
<p>13. Write the following numbers under the number line where they belong.</p> <p>0.52, 97%, $\frac{3}{9}$</p> 	<p>14. Using >, <, or =, fill in the blank to make the statement true.</p>   <p>_____</p>
<p>15. Write the correct fraction, decimal and percent of the shaded region below.</p>  <p>F: _____</p> <p>D: _____</p> <p>P: _____</p>	<p>16. Michael ran $\frac{4}{5}$ of a mile on Monday. On Tuesday he ran $2\frac{3}{4}$ miles. On Wednesday he ran $1\frac{1}{5}$ miles. How far did he run all together?</p>

<p>17. Justin had $2\frac{1}{3}$ cups of sugar for the cookie recipe but the recipe only called for $1\frac{1}{2}$ cups of sugar. If he only made one batch of cookies how much sugar did he have left over?</p>	<p>18. Jenny had a roll of ribbon that was $12\frac{1}{2}$ feet long. She wanted to make bows that each took $\frac{3}{4}$ of a foot of ribbon. Exactly how many total bows could she make with the ribbon?</p>
<p>19. A brownie recipe calls for $1\frac{1}{3}$ cups of sugar. If Randy wants to make four batches of brownies for the school festival, what is the total amount of sugar he needs to make the brownies?</p>	<p>20. A pepperoni pizza cost \$8.25 and a cheese pizza cost \$7.50. If James purchases nine cheese pizzas and seven pepperoni pizzas for a birthday party how much will he pay?</p>
<p>21. Kelly wants to purchase 2 pounds of ham and a pack of cheese slices from Food lion.</p> <ul style="list-style-type: none">- A pound of ham at Food Lion is \$7.99- A pack of cheese slices at Food Lion is \$5.35 <p>The food tax on the purchase is \$1.28. How much change will she receive from \$40.00?</p>	<p>22. Jessica has \$21.00 and wants to purchase candy bars at the concession stand for \$1.25 each. What is the maximum number of candy bars she can purchase?</p>

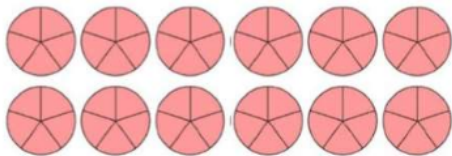
23. What is the decimal equivalent that represents the unshaded area of the model?



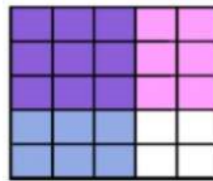
24. Write a multiplication problem that represents the model.



25. How many $\frac{2}{5}$ s are in 12?



26. What solution does this model represent?



27. How many $\frac{2}{5}$ s are in 10?

