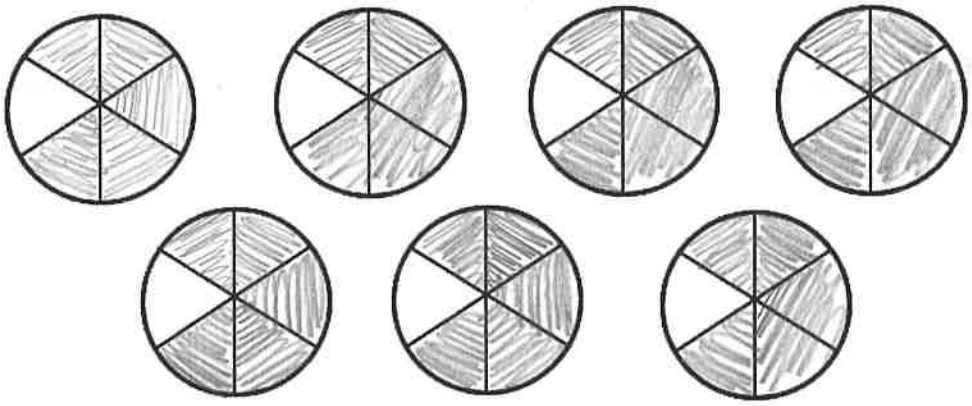
Name Tutt-Key Period _____ Date _____

Grade 5 Bundle 6 Test Review
Bring to Class on December 18
Due: December 19

1. A holiday craft project requires $\frac{5}{6}$ of a foot of yarn to make one snowflake. If Karen wants to make 7 snowflakes, how many feet of yarn will Karen need?



$7 \times \frac{5}{6} = \frac{35}{6} = \boxed{5\frac{5}{6}}$

$6\overline{)35}$ = 5.5, -30, 5

A. $5\frac{5}{6}$

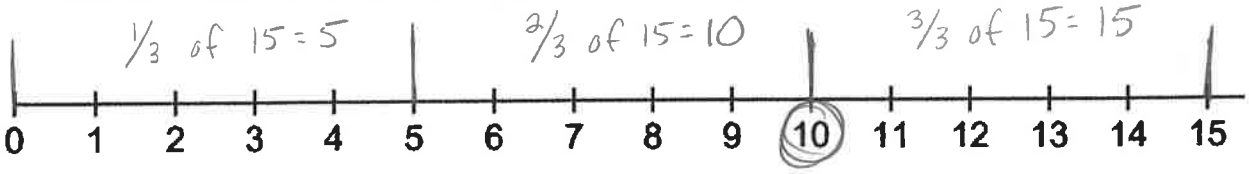
B. $8\frac{2}{5}$

C. $7\frac{5}{6}$

D. $6\frac{1}{6}$

$\frac{2}{3}$ of $15 = \frac{2}{3} \times 15$

2. Paul rode his bike 15 miles on Saturday. After he completed $\frac{2}{3}$ of his bike ride he stopped to refill his water. How many miles did Paul ride before he stopped to refill his water? Use the following model to help you solve.



$\frac{2}{3} \times 15 = \frac{30}{3} = 10$ miles

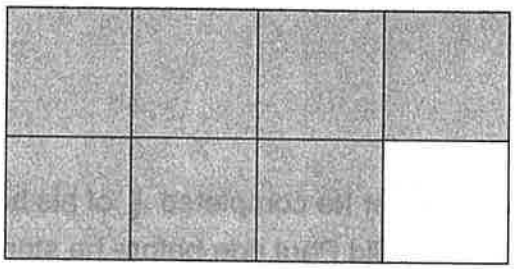
3. The following table shows the students in a 4th grade math class. On their most recent math test $\frac{2}{5}$ of the class made higher than a 90. How many students made a 90 or above?

1/5	2/5	3/5	4/5	5/5
Student 1	Student 5	Student 9	Student 13	Student 17
Student 2	Student 6	Student 10	Student 14	Student 18
Student 3	Student 7	Student 11	Student 15	Student 19
Student 4	Student 8	Student 12	Student 16	Student 20

$\frac{2}{5}$ of 20

$\frac{2}{5} \times 20 = \boxed{8 \text{ students}}$

4. One batch of cupcakes requires $\frac{7}{8}$ cups of sugar. Molly is making 4 batches of cupcakes. How many cups of sugar will Molly need to make her cupcakes?



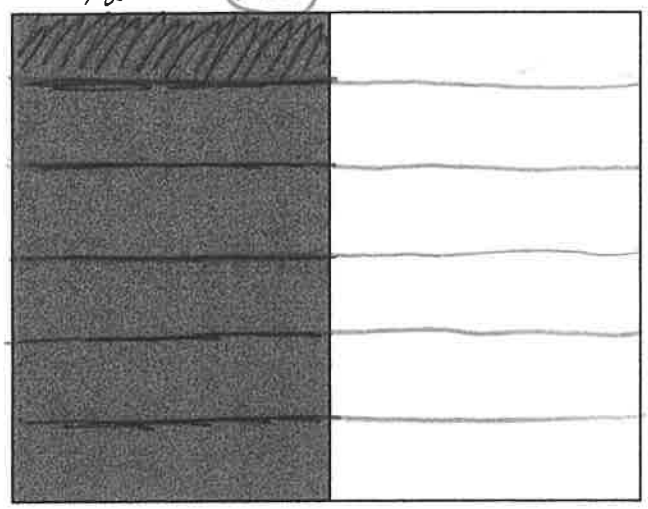
= Amount of sugar in 1 batch of cupcakes

$4 \times \frac{7}{8} = \frac{28}{8} = 3\frac{4 \div 4}{8 \div 4} = \boxed{3\frac{1}{2}}$ cups of sugar

$$\begin{array}{r} \times 3.4 \\ 8\overline{)28} \\ -24 \\ \hline 4 \end{array}$$

5. Michelle uses $\frac{1}{2}$ cup of sugar in her pancake recipe. The batter makes 6 equal sized pancakes.

$\frac{1}{2} \div 6 = \frac{1}{12}$



$\frac{1}{2} \div 6 = \frac{1}{12}$

How much sugar is contained in each pancake?

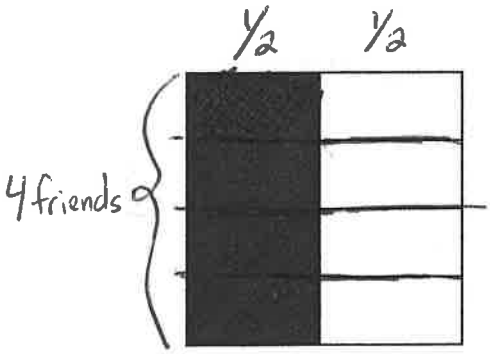
A. $\frac{1}{6}$

B. $\frac{1}{4}$

C. $\frac{1}{8}$

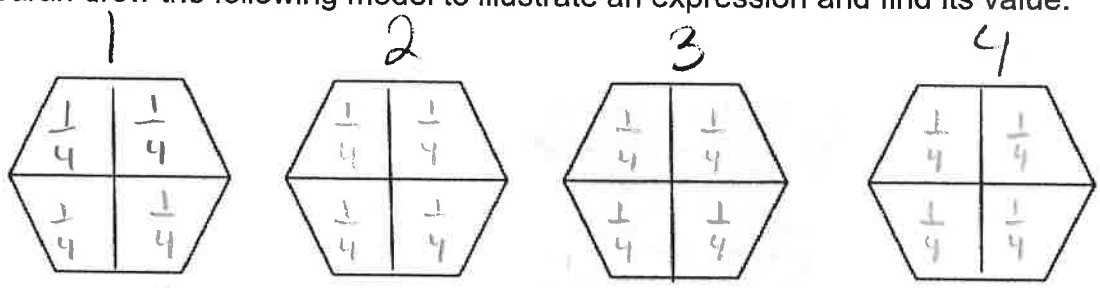
D. $\frac{1}{12}$

6. Courtney had $\frac{1}{2}$ of a candy bar to share equally with 4 friends. What fraction of the candy bar did each friend receive? Use the model below to write and solve an equation.



$\frac{1}{2} \div 4 = \frac{1}{8}$

7. Sarah drew the following model to illustrate an expression and find its value.



Which equation correctly matches Sarah's model?

A. $\frac{1}{4} \div 4 = \frac{1}{16}$

$4 \div \frac{1}{4} = 16$

B. $16 \div \frac{1}{4} = 64$

C. $4 \div \frac{1}{4} = 16$

D. $16 \times 4 = 64$

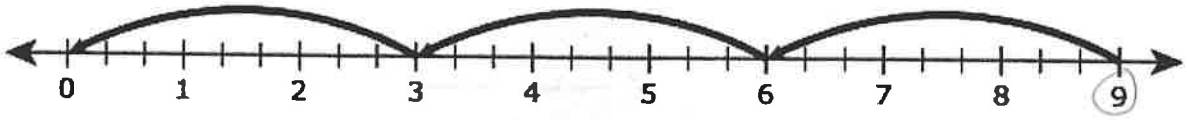
8. Which number line best models the expression $3 \div \frac{1}{3}$?

$3 \div \frac{1}{3} = 9$

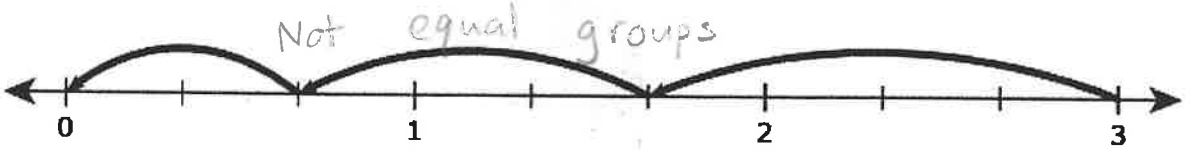
A.

B.

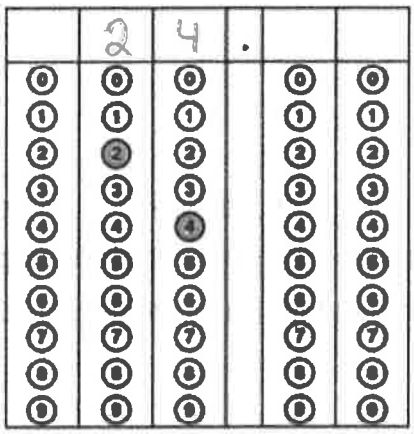
C.



D.

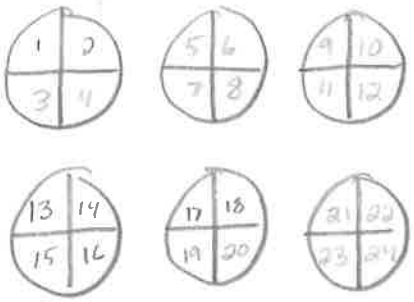


9. Mr. Rod has a 6-pound bag of dry dog food. He has decided to separate the bag of food into storage containers. He will put ¼ pound of food into each storage container. What is the number of storage containers he will need to separate the bag of dog food? **Record your answer and fill in the bubbles on the grid. Be sure to use the correct place value.**



$6 \div \frac{1}{4} = 24$

6 pounds divided into fourths.



10. Mrs. Wright divided one half of a peach cobbler equally among her sister and 3 brothers. What fraction of the whole cobbler did she give each sibling?

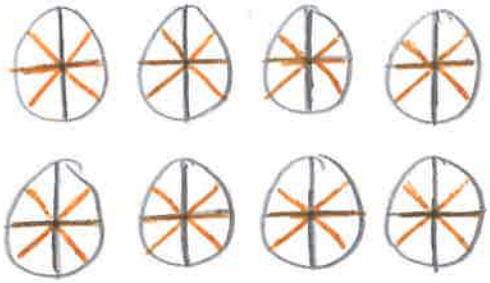
4 people

$\frac{1}{2} \div 4 = \frac{1}{8}$

11. Maria is cutting ribbon from a roll for her gifts she is wrapping. She has 1/9 yard of red ribbon, and she cuts it into 4 equal pieces. What is the length of each piece of ribbon?

$\frac{1}{9} \div 4 = \frac{1}{36}$ yards

12. Jamie made 8 sandwiches and cut each sandwich in $\frac{1}{2}$. Then she cut each $\frac{1}{2}$ into $\frac{1}{4}$'s. How many pieces of sandwich does she have now?



$8 \div \frac{1}{2} = 16$

$16 \div \frac{1}{4} = 64$ pieces

13. George is running an 8 mile race. He runs $2\frac{1}{4}$ miles before stopping for a drink of water. Then he runs another $1\frac{3}{8}$ miles before stopping to stretch. How many more miles does George need to run in order to finish the race?

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

$7\frac{8}{8} = 7\frac{8}{8}$
$- 3\frac{5}{8} = 3\frac{5}{8}$

$4\frac{3}{8}$ miles

14. Blake's dog eats $3\frac{1}{6}$ pounds of food each week. Sally's dog eats $2\frac{1}{3}$ pounds of food each week. How much more dog food does Blake's dog eat each week?

$3\frac{1}{6} = 2\frac{7}{6}$
$-2\frac{1}{3} = 2\frac{2}{6}$ $-2\frac{2}{6}$

$\frac{5}{6}$ pounds

15. A baker made 5 pounds of icing. He used $\frac{4}{9}$ of the icing to decorate cakes. About how many pounds of icing did the baker use?

$\frac{4}{9}$ is about $\frac{1}{2}$

$\frac{1}{2}$ of 5

$\frac{1}{2} \times 5 =$ About $2\frac{1}{2}$ pounds

16. Maggie made 7 pints of hot chocolate for her friends. If each of Maggie's mugs holds $\frac{4}{5}$ of a pint of liquid, then about how many friends will get hot chocolate?

$7 \div 1 =$ About 7 friends

$\frac{4}{5}$ is about 1 whole