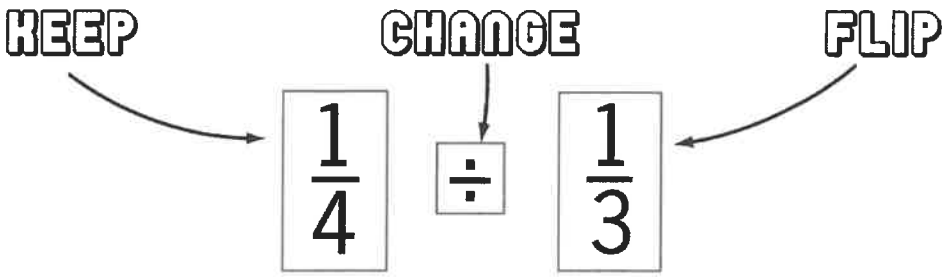
Name: _____ Date: _____

Flocabulary
Hip-Hop in the Classroom

Dividing Fractions

"Keep change flip" is the key to dividing fractions. Keep the first fraction the same, change the division sign to multiplication and flip the second fraction.



After using "keep change flip": $\frac{1}{4} \cdot \frac{3}{1} = \frac{3}{4}$

Solve each question and then simplify your answer.

1. $\frac{1}{5} \div \frac{2}{5} =$

2. $1 \div \frac{1}{2} =$

3. $\frac{5}{6} \div \frac{1}{2} =$

4. $6 \div \frac{2}{3} =$

5. $\frac{1}{8} \div \frac{3}{4} =$

6. $\frac{1}{2} \div 7 =$

7. $\frac{4}{6} \div \frac{2}{3} =$

8. $\frac{10}{3} \div \frac{1}{3} =$

9. $\frac{7}{8} \div \frac{1}{4} =$

10. $\frac{5}{6} \div \frac{5}{6} =$

continued next page ▶

Name: _____ Date: _____

◀ continued from previous page

Dividing Fractions

Show your work for each word problem.

11. The Marquez family has $\frac{4}{5}$ pint of ice cream in the freezer. If each family member is served $\frac{1}{5}$ pint of ice cream, how many people will get to eat ice cream?

12. Yvonne bought 10 yards of fabric to make bandanas for her basketball team. Each bandana requires $\frac{1}{3}$ yard of fabric. How many bandanas can she make?

Name _____ Date _____

Flocabulary

Dividing Fractions

Read each question and circle the correct answer.

1. What does the word "keep" mean in "Keep, Change, Flip"?

   A. keep everything the same
   B. keep the first fraction the same
   C. keep the second fraction the same
   D. keep the sign the same

2. What does the word "change" tell you to do in "Keep, Change, Flip" for dividing fractions?

   A. change the sign to multiplication
   B. change the sign to addition
   C. change the first fraction
   D. change the second fraction

3. What does the word "flip" tell you to do in "Keep, Change, Flip" for dividing fractions?

   A. change the places of the numbers in the numerator and the denominator for the first fraction
   B. change the places of the numbers in the numerator and the denominator for the second fraction
   C. change the places of the numbers in the numerator and the denominator for both fractions
   D. change the division sign between the fractions

4. What is $\frac{1}{8} \div \frac{3}{4}$?

   A. $\frac{2}{3}$
   B. $\frac{5}{12}$
   C. $\frac{1}{6}$
   D. $\frac{11}{12}$

5. What is $\frac{1}{3} \div 3$?

   A. 9
   B. $\frac{1}{9}$
   C. $\frac{2}{3}$
   D. 1

6. Solve $\frac{2}{5} \div 4$ and reduce the answer.

A. $\frac{8}{5}$
B. $\frac{5}{8}$
C. $\frac{1}{10}$
D. 10

7. Solve $\frac{3}{4} \div \frac{5}{6}$ and then reduce the answer.

A. $\frac{9}{10}$
B. $\frac{10}{9}$
C. $\frac{5}{8}$
D. $\frac{8}{5}$

8. You have a recipe that requires $\frac{1}{3}$ cup of sugar, but you only want to make a fourth of the recipe. How much sugar do you need to make this fraction of the recipe?

A. $\frac{1}{12}$ cup
B. $\frac{7}{12}$ cup
C. $\frac{3}{4}$ cup
D. $\frac{4}{3}$ cup

9. You have half a cake left after a party, and you want to split it into 4 pieces. What fraction of the original cake is each slice?

A. $\frac{1}{8}$
B. $\frac{1}{4}$
C. $\frac{1}{2}$
D. $\frac{2}{1}$

10. Your class of 32 students is divided into fourths to create groups to answer a set of questions together. Then, one fourth of each group has to go to the front of the classroom and read off the group's answers. How many students go up to the classroom for each group?

A. 2
B. 4
C. 6
D. 8

Abracadabra, It's Magic

1. What magic trick does Mr. Utterbunk perform every evening?

$1\frac{7}{18}$	$2\frac{5}{8}$	$\frac{1}{4}$	6	$\frac{8}{35}$	$\frac{3}{4}$	$4\frac{4}{7}$	$\frac{5}{12}$	$6\frac{8}{9}$	$\frac{2}{9}$	$4\frac{4}{7}$	6	$\frac{3}{10}$	$\frac{3}{7}$	$1\frac{11}{24}$	$1\frac{1}{2}$	$\frac{7}{10}$	$1\frac{11}{24}$	$\frac{3}{4}$	$1\frac{11}{24}$	$\frac{7}{10}$	$2\frac{5}{8}$

2. What did the magician say to the fisherman?

$7\frac{1}{3}$	$\frac{2}{9}$	$10\frac{2}{3}$	$1\frac{2}{3}$	$4\frac{3}{8}$	$1\frac{11}{24}$	$2\frac{3}{4}$	$10\frac{2}{3}$	$\frac{3}{10}$	$2\frac{7}{9}$	,	$9\frac{7}{9}$	$1\frac{11}{24}$	$4\frac{4}{7}$	$2\frac{3}{8}$	$\frac{7}{8}$	$10\frac{2}{3}$	$\frac{3}{10}$	$2\frac{7}{9}$	.

To decode the answers to the MAGICAL mysteries:
Do each exercise below and find your answer in the code. Each time the answer appears, write the letter of the exercise above it.

(K) $2\frac{2}{3} \div 1\frac{3}{5}$

(E) $4\frac{1}{2} \div 1\frac{5}{7}$

(H) $3\frac{1}{3} \div 2\frac{2}{5}$

(S) $2\frac{1}{4} \div 5\frac{2}{5}$

(O) $3\frac{3}{4} \div 12\frac{1}{2}$

(R) $8 \div 10\frac{2}{3}$

(I) $\frac{7}{12} \div 2\frac{5}{8}$

(Y) $9\frac{1}{2} \div 4$

(U) $2\frac{2}{7} \div 10$

(P) $5\frac{1}{2} \div \frac{3}{4}$

(T) $7\frac{4}{5} \div 1\frac{3}{10}$

(N) $6 \div 1\frac{5}{16}$

(D) $8\frac{1}{3} \div 3$

(A) $4\frac{7}{12} \div 3\frac{1}{7}$

(G) There are 3 boys and 2 girls in the Krunch family. Mr. Krunch bought $3\frac{1}{2}$ pounds of candy to divide equally among them. How much candy did each child get?

_____ lb

(C) It takes 1 cup of liquid fertilizer to make $7\frac{1}{2}$ gallons of spray. How much liquid fertilizer is needed to make 80 gallons of spray?

_____ c

Worksheet #13 **Dividing Fractions**

Divide. Reduce to lowest terms.

1. $\frac{1}{2} \div \frac{4}{5}$

2. $\frac{4}{5} \div \frac{1}{2}$

3. $\frac{3}{10} \div \frac{9}{10}$

4. $\frac{3}{5} \div 6$

5. $7 \div \frac{1}{7}$

6. $1 \div \frac{1}{8}$

7. $5 \div \frac{2}{3}$

8. $6\frac{2}{5} \div 20$

9. $2\frac{3}{4} \div \frac{22}{25}$

10. $3\frac{4}{5} \div 1\frac{2}{15}$