

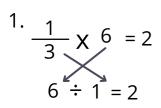


$$\frac{1}{2}$$
 x 8 MEANS $\frac{1}{2}$ OF 8

 $8 \div 2 = 4$

YOU ARE CUTIING THE 8 INTO 4 EQUAL PIECES, IN OTHER WORDS, YOU ARE DIVIDING 8 BY 2, WHICH EQUALS 4.

NOW YOUR TURN, DIVIDE THE WHOLE NUMBER BY DENOMINATOR



$$\frac{2}{2}$$
 X 12 =

3.
$$\frac{1}{5}$$
 x 10 =



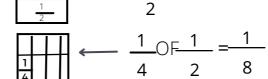
4.
$$\frac{1}{4}$$
 x 12 =

5.
$$\frac{1}{6}$$
 x 18 =

6.
$$\frac{1}{7}$$
 x 35 =

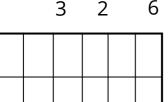
EXAMPLE #2 DRAWING

WE CAN USE A FIGURE TO BETTER UNDERSTAND THIS PROBLEM.WE HAVE 1/2 OF THE WHOLE RECTANGLE AND WE ARE GOING TO TAKE 1/4 OF THAT.WHICH GIVES US 1/8 OF THE WHOLE FIGURE.



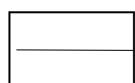
NOW YOUR TURN, USE THE RECTANGLES TO HELP SOLVE THE PROBLEMS BELOW

$$7. \quad \frac{2}{3} \times \frac{1}{2} = \frac{2}{6}$$



- 1. separate the rectangle into 2 parts 1/2
- 2. shade in 2/3 of one of the two
- 3. cut the other4 parts into halves to make the pieces all the same size.
- 4. This shows you have two out of six pieces or 2/6

8.
$$\frac{2}{2} \times \frac{1}{2} =$$



1.
$$\frac{1}{2} \times \frac{1}{3} =$$

2.
$$\frac{1}{2} \times \frac{3}{4} =$$

MULTIPLYING FRACTIONS - PRACTICE

THERE'S IS AN EASY WAY TO MULTIPLY FRACTIONS.MULTIPLY THE NUMERATORS(TOP NUMBERS) AND MULTIPLY THE DENOMINATORS(BOTTOM NUMBERS).

EXAMPLE # 3- MULTIPLYING STRAIGHT ACROSS

$$\frac{2}{3}$$
 x $\frac{2}{2}$ = $\frac{2}{3}$ $\frac{2}{3}$ = $\frac{4}{6}$

$$\frac{3}{2}$$
 x 8 = $\frac{3}{2}$ x $\frac{8}{1}$ = $\frac{24}{2}$

A SIMPLE WAY TO MULTIPLY FRACTIONS IS TO MULTIPLY STRAIGHT ACROSS. MULTIPLY THE TWO NUMERATORS AND DENOMINATORS.

BEFORE MULTIPLYING STRAIGHT ACROSS YOU NEED TO CHANGE THE 8 INTO A FRACTION. DO YOU SEE HOW WE PUT THE 8 OVER $1?8\frac{8}{1}$

ON THIS PROBLEM, YOU END UP WITH IMPROPER FRACTION. YOU WILL NEED TO SIMPLIFY.

$$\frac{24 \div 2}{2 \div 2} = \frac{12}{1} = 12$$

NOW YOUR TURN.MULTIPLY STRAIGHT ACROSS TO SOLVE THESE PROBLEMS .DON'T FORGET TO SIMPLIFY.

$$1. \frac{4}{3} \times \frac{1}{5} =$$

2.
$$\frac{7}{6} \times \frac{3}{2} =$$

3.
$$\frac{9}{8} \times \frac{2}{1} =$$



4.
$$\frac{11}{2} \times \frac{6}{2} =$$

5.
$$\frac{2}{8}$$
 x 10 =

6.
$$6 \times \frac{5}{4} =$$

7.
$$\frac{8}{5} \times \frac{8}{2} =$$

8.
$$\frac{7}{6} \times \frac{2}{4} =$$

9.
$$11 \times \frac{5}{10} =$$

10.
$$\frac{5}{2} \times \frac{6}{5} =$$

11.
$$\frac{4}{3}$$
 x 8 =

12.
$$\frac{6}{5}$$
 x $\frac{15}{8}$ =

13.
$$\frac{7}{3} \times \frac{9}{2} =$$

14.
$$\frac{1}{3} \times \frac{4}{6} =$$

15.
$$\frac{7}{5}$$
 x 20 =

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