MATH

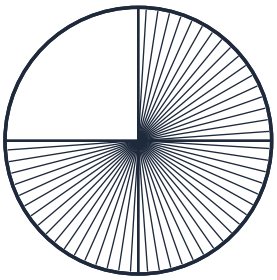
Equivalent fractions

Name _____ Date _____

I can find fractions that are equal.

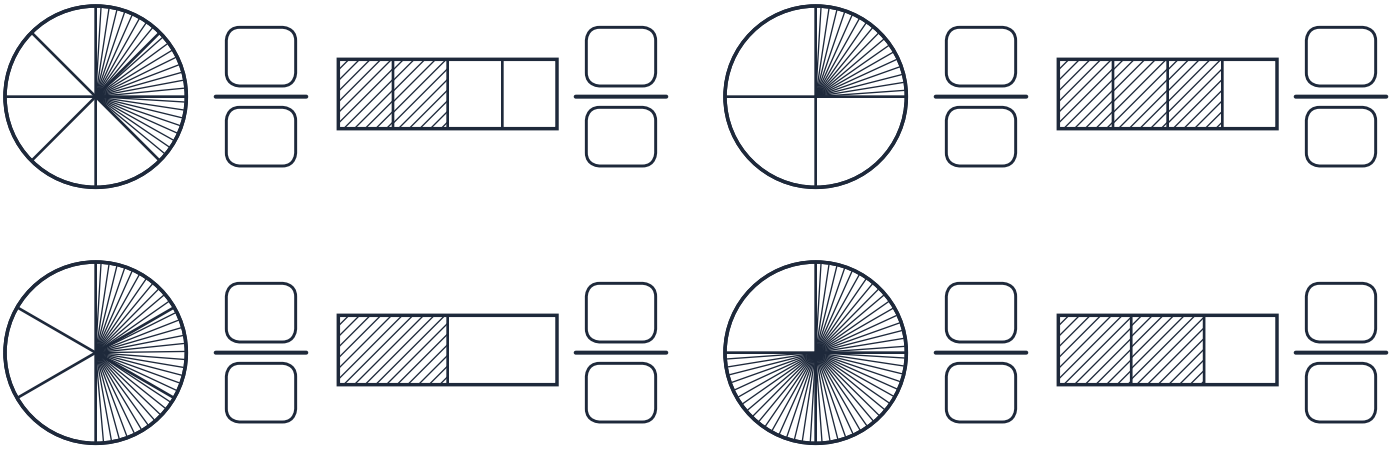
1 How it works

Equivalent fractions show the same amount with different numbers. 1/2 and 2/4 cover the same part of the whole. Multiply the top and bottom by the same number to make one.



$\frac{3}{4}$ parts shaded / equal parts

2 What fraction is shaded?



How did I do? ☆ ☆ ☆

Scan for more free practice

Use the fraction wall

Name _____ Date _____

I can use a fraction wall to find equal fractions.

1 The fraction wall

Pieces that line up are equal.

1 whole							
$\frac{1}{2}$	$\frac{1}{2}$						
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$					
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$				
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$		
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

2 Use the wall. Fill in the missing number.

$\frac{1}{2} = \frac{\square}{4}$ $\quad \frac{1}{2} = \frac{\square}{6}$ $\quad \frac{1}{2} = \frac{\square}{8}$

$\frac{1}{3} = \frac{\square}{6}$ $\quad \frac{2}{3} = \frac{\square}{6}$ $\quad \frac{1}{4} = \frac{\square}{8}$

$\frac{3}{4} = \frac{\square}{8}$ $\quad \frac{4}{8} = \frac{\square}{2}$ $\quad \frac{2}{6} = \frac{\square}{3}$

How did I do? ☆ ☆ ☆

Scan for more free practice

Multiply to find equal fractions

Name _____ Date _____

I can make equal fractions by multiplying the top and bottom.

1 Multiply the top and bottom by the same number

$\frac{2}{3} \begin{matrix} \times 2 \\ \times 2 \end{matrix} = \frac{4}{6}$

Multiplying the top and bottom by the same number makes more, smaller pieces. The amount stays the same.

2 Write an equal fraction

$\frac{1}{2} = \frac{\square}{6}$ $\quad \frac{1}{3} = \frac{\square}{6}$ $\quad \frac{3}{4} = \frac{\square}{8}$

$\frac{2}{5} = \frac{\square}{10}$ $\quad \frac{1}{4} = \frac{\square}{12}$ $\quad \frac{5}{6} = \frac{\square}{12}$

$\frac{1}{2} = \frac{\square}{10}$ $\quad \frac{2}{3} = \frac{\square}{9}$ $\quad \frac{3}{5} = \frac{\square}{10}$

How did I do? ☆ ☆ ☆

Scan for more free practice

Word problems

Name _____ Date _____

I can use fractions to solve problems.

1 Read, think, answer

Draw a picture or a bar if it helps.

1 Mia ate 1/2 of a cake cut into 4 pieces. How many pieces did Mia eat?

Answer:

2 Sam ate 2/6 of a loaf. Mia ate 1/3. Did they eat the same amount?

Answer:

3 Write a fraction equal to 3/4 with 8 on the bottom.

Answer:

4 A watermelon is cut into 8 slices. 4 slices are gone. What fraction in halves is gone?

Answer:

How did I do? ☆ ☆ ☆

Scan for more free practice

FOR TEACHERS AND PARENTS

Answer key: equivalent fractions

1 Page 1

Shaded: 3/8, 2/4, 1/4, 3/4, 3/6, 1/2, 3/4, 2/3.

2 Page 2

Equal fractions: 1/2 = 2/4, 1/2 = 3/6, 1/2 = 4/8, 1/3 = 2/6, 2/3 = 4/6, 1/4 = 2/8, 3/4 = 6/8, 4/8 = 1/2, 2/6 = 1/3.

3 Page 3

Equal fractions: 1/2 = 3/6, 1/3 = 2/6, 3/4 = 6/8, 2/5 = 4/10, 1/4 = 3/12, 5/6 = 10/12, 1/2 = 5/10, 2/3 = 6/9, 3/5 = 6/10.

4 Page 4: word problems

1) 2 pieces (2/4 = 1/2)
2) Yes. 2/6 = 1/3.
3) 6/8
4) 1/2 (4/8 = 1/2)

5 Teaching tip

Fold a paper strip in half, shade one half, then fold it again. The shading has not changed, but now it shows 2/4.

Scan for more free practice