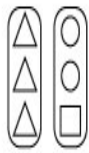


Determining equivalent fractions using models or money

\triangle \circ $\frac{3}{6}$ of the figures are triangles. Notice the figures on the right. The six figures can be divided into 2 equal groups.

\triangle \circ By dividing the figures into two equal groups, the triangles can also be referred to as $\frac{1}{2}$ of the group.



Fractions that refer to the same portion of a group of items or the same part of a whole are called **equivalent fractions**.

① $\frac{1}{2} = \frac{2}{4}$
 of the figures are circles.

② $\frac{3}{4} = \frac{6}{8}$
 of the figures are circles.

③ $\frac{1}{2} = \frac{3}{6}$
 of the figures are circles.

Since 4 quarters equal one dollar, if a dollar is divided into 4 equal parts, each part will be equal to 25¢.



$= \frac{25}{100} = \frac{1}{4}$ of a dollar

Fill in the missing numbers for each problem.

④ 1 nickel = $\frac{5}{100} = \frac{1}{20}$ of a dollar

⑩ 1 penny = $\frac{1}{100}$ of a dollar

Write the fraction that represents the shaded portion of each rectangle.

⑤ = $\frac{1}{2}$

⑥ = $\frac{3}{6}$

⑦ = $\frac{3}{6}$

⑪ 2 nickels = $\frac{10}{100} = \frac{2}{20}$ of a dollar

⑫ 2 dimes = $\frac{20}{100} = \frac{2}{10}$ of a dollar

Each of the rectangles is the same size and even though they are divided differently, the portion that is shaded is equal to one-half for each one.

$\frac{3}{6} = \frac{1}{2}$ This can be verified. What is 6 divided into 2 equal parts? $6 \div 2 = 3$. There should be 3 sixths in each of the parts.

⑬ 3 nickels = _____ = _____ of a dollar

⑭ 2 quarters = _____ = _____ of a dollar