
Subject: Mathematics

Level: Standard Two

Strand: Number

Topic: Equivalent Fractions

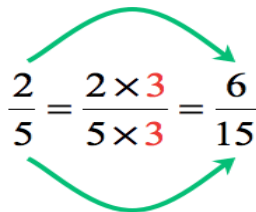
By the end of this Worksheet, you will be able to:

- Demonstrate an understanding of Equivalent Fractions.

Key Points: (Equivalent Fractions):

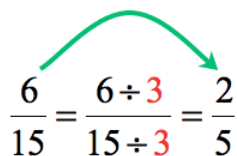
- Equivalent Fractions are fractions that have the same value, even though they may look different.
- Equivalent Fractions may be formed by:
 - Multiplying the numerator and the denominator by the same number.

e.g.

$$\frac{2}{5} = \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$$


- Dividing the numerator and denominator by the same number.

e.g.

$$\frac{6}{15} = \frac{6 \div 3}{15 \div 3} = \frac{2}{5}$$


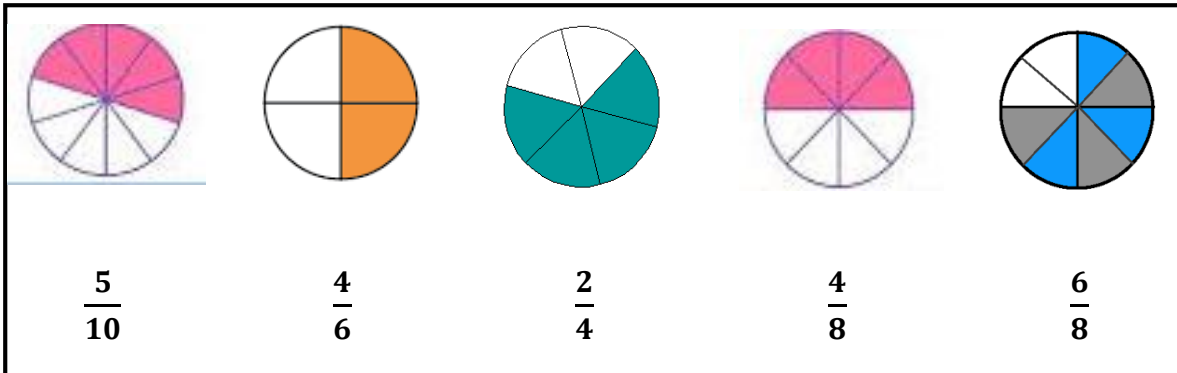
Resources:

It is recommended that you view this video before attempting the activities in this worksheet. Click on the link below to access the video.

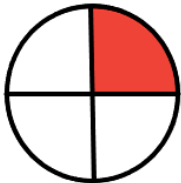
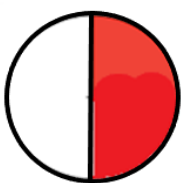
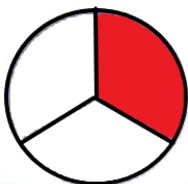

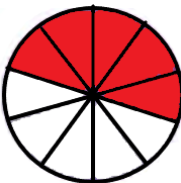
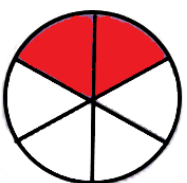
<https://www.youtube.com/watch?v=qcHHhd6HizI>

ACTIVITY 1

- 1) Tick (✓) the three fractions below with shaded parts that are equivalent to each other.



- 2) Match the shaded parts of the fraction on the left to its equivalent fraction on the right.

a)	$\frac{1}{4}$ 	$\frac{1}{2}$ 
b)	$\frac{1}{3}$ 	$\frac{2}{8}$ 
c)	$\frac{5}{10}$ 	$\frac{2}{6}$ 

ACTIVITY 2

Instructions:

The Fraction Chart below may be used to help you answer the questions below.

FRACTION CHART

1 Whole									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

1) Write the equivalent fraction for $\frac{4}{6}$ on the number line below.



2) Write the equivalent fraction for $\frac{3}{4}$ on the number line below.



ACTIVITY 3

1. Find the **numerator** for each equivalent fraction. The first one is done for you.

FRACTIONS	EQUIVALENT FRACTIONS
$\frac{9}{12}$	$\frac{\boxed{3}}{4}$
$\frac{1}{4}$	$\frac{\quad}{12}$
$\frac{6}{8}$	$\frac{\quad}{4}$
$\frac{1}{2}$	$\frac{\quad}{12}$

2. Find the **denominator** for each equivalent fraction.

FRACTION	EQUIVALENT FRACTION
$\frac{1}{2}$	$\frac{2}{\boxed{4}}$
$\frac{2}{\quad}$	$\frac{4}{6}$
$\frac{8}{\quad}$	$\frac{4}{8}$
$\frac{1}{\quad}$	$\frac{5}{10}$

ASSESSMENT

- 1) Circle the correct equivalent fraction from those given in the set in the Table below.

$\frac{1}{2}$	$\frac{3}{8}$, $\frac{4}{8}$, $\frac{5}{8}$
$\frac{2}{10}$	$\frac{2}{5}$, $\frac{3}{10}$, $\frac{1}{5}$
$\frac{4}{6}$	$\frac{2}{3}$, $\frac{3}{9}$, $\frac{1}{3}$

- 2) Put in the symbol = or \neq in the boxes below.

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

$$\frac{3}{10} \quad \square \quad \frac{1}{5}$$

- 3) Troy and Ray shared a pizza with 8 pieces. Troy ate a half of the pizza while Ray ate $\frac{4}{8}$ of it. Who ate more pizza?



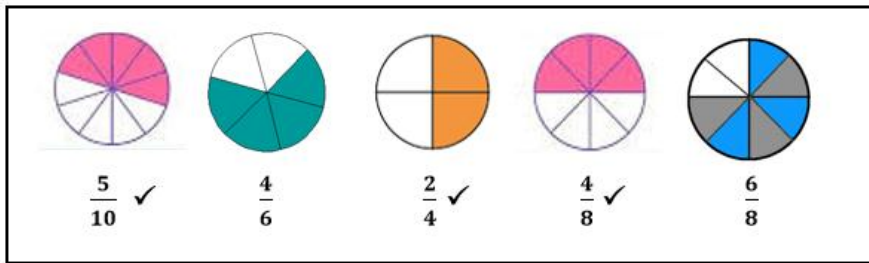
Answer = _____

ANSWER KEY

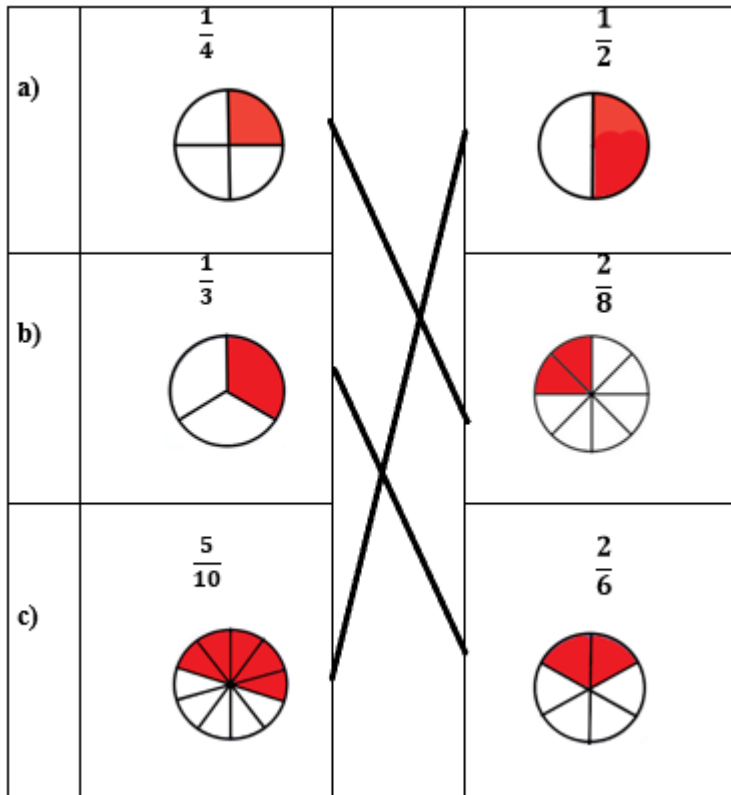
ACTIVITY 1

Instruction

1)

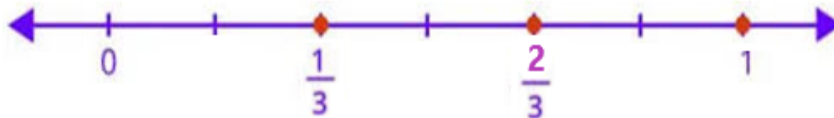


2)



ACTIVITY 2

1)



2)



ACTIVITY 3

1.

FRACTIONS	EQUIVALENT FRACTIONS
$\frac{9}{12}$	$\frac{\boxed{3}}{4}$
$\frac{1}{4}$	$\frac{\boxed{3}}{12}$
$\frac{6}{8}$	$\frac{\boxed{3}}{4}$
$\frac{1}{2}$	$\frac{\boxed{6}}{12}$

2.

FRACTION	EQUIVALENT FRACTION
$\frac{1}{2}$	$\frac{2}{\boxed{4}}$
$\frac{2}{\boxed{3}}$	$\frac{4}{6}$
$\frac{8}{\boxed{16}}$	$\frac{4}{8}$
$\frac{1}{\boxed{2}}$	$\frac{5}{10}$

ASSESSMENT

1)

$\frac{1}{2}$	$\frac{3}{8}$, $\left(\frac{4}{8}\right)$, $\frac{5}{8}$
$\frac{2}{10}$	$\frac{2}{5}$, $\frac{3}{10}$, $\left(\frac{1}{5}\right)$
$\frac{4}{6}$	$\left(\frac{2}{3}\right)$, $\frac{3}{9}$, $\frac{1}{3}$

2) $\frac{3}{4} \boxed{=} \frac{6}{8}$

$\frac{3}{10} \boxed{\neq} \frac{1}{5}$

3) None, both ate the same amount.