

# Varied Fluency

## Step 3: Equivalent Fractions 3

### National Curriculum Objectives:

Mathematics Year 3: (3F2) [Recognise and show, using diagrams, equivalent fractions with small denominators](#)

### Differentiation:

**Developing** Recognise fractions that are equivalent to unit fractions (when simplified) up to eighths.

**Expected** Recognise fractions that are equivalent to non-unit fractions (when simplified) up to twelfths.

**Greater Depth** Recognise fractions that are equivalent to simplified fractions up to twelfths, where the simplified fraction is not always given.

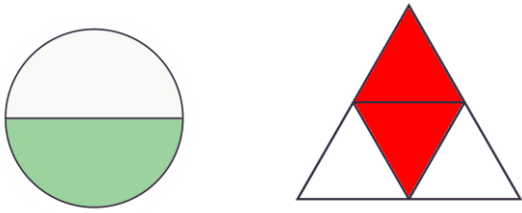
More [Year 3 Fractions](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

## Equivalent Fractions 3

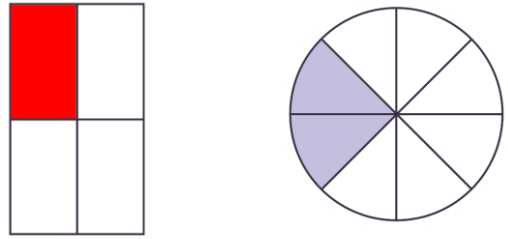
## Equivalent Fractions 3

1a. Write a statement to show how these fractions are equivalent.



VF

1b. Write a statement to show how these fractions are equivalent.



VF

2a. Fill in the missing fractions in this sequence.

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



VF

2b. Fill in the missing fractions in this sequence.

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{\square} = \frac{\square}{16}$$



VF

3a. True or false?



Chloe

One half is equal to two quarters.



VF

3b. True or false?



Tim

One quarter is equal to three eighths.



VF

4a. Circle the equivalent fractions.

$$\frac{2}{4} \quad \frac{1}{2} \quad \frac{4}{4} \quad \frac{3}{4}$$



VF

4b. Circle the equivalent fractions.

$$\frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad \frac{2}{8}$$

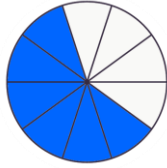
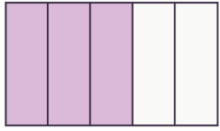


VF

## Equivalent Fractions 3

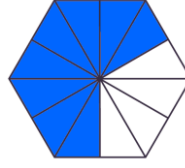
## Equivalent Fractions 3

5a. Write a statement to show how these fractions are equivalent.



VF

5b. Write a statement to show how these fractions are equivalent.



VF

6a. Fill in the missing fractions in this sequence.

$$\frac{2}{3} = \frac{\square}{6} = \frac{6}{\square} = \frac{8}{12}$$



VF

6b. Fill in the missing fractions in this sequence.

$$\frac{4}{5} = \frac{\square}{10} = \frac{12}{15} = \frac{16}{\square}$$



VF

7a. True or false?



Musrat

Seven tenths is equal to fourteen fifteenths.



VF

7b. True or false?



Steven

Four fifths is equal to twelve fifteenths.



VF

8a. Circle the equivalent fractions.

$$\frac{2}{3} \quad \frac{8}{12} \quad \frac{2}{9} \quad \frac{3}{18}$$



VF

8b. Circle the equivalent fractions.

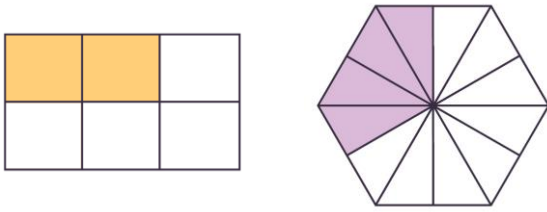
$$\frac{2}{5} \quad \frac{4}{10} \quad \frac{2}{10} \quad \frac{3}{30}$$



VF

## Equivalent Fractions 3

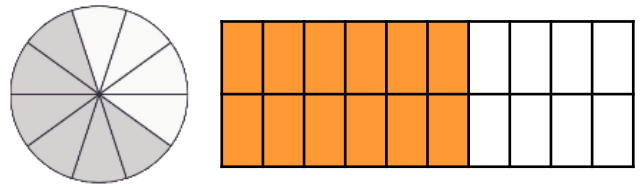
9a. Write a statement to show how these fractions are equivalent.



VF

## Equivalent Fractions 3

9b. Write a statement to show how these fractions are equivalent.



VF

10a. Fill in the missing fractions in this sequence.

$$\frac{2}{14} = \frac{\square}{21} = \frac{4}{\square} = \frac{\square}{35}$$



VF

10b. Fill in the missing fractions in this sequence.

$$\frac{3}{9} = \frac{5}{\square} = \frac{\square}{21} = \frac{\square}{27}$$



VF

11a. True or false?



Abigail

Six sixteenths is equal to two eighths.



VF

11b. True or false?



Habib

Six eighths is equal to eighteen twentieths.



VF

12a. Circle the equivalent fractions.

$$\frac{2}{8} \quad \frac{6}{16} \quad \frac{4}{24} \quad \frac{8}{32}$$



VF

12b. Circle the equivalent fractions.

$$\frac{9}{26} \quad \frac{3}{9} \quad \frac{6}{27} \quad \frac{9}{27}$$



VF

## Varied Fluency Equivalent Fractions 3

### Developing

1a. One half is equal to two quarters.

2a.  $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$

3a. True

4a.  $\frac{2}{4}$  and  $\frac{1}{2}$

### Expected

5a. Three fifths is equal to six tenths.

6a.  $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$

7a. False

8a.  $\frac{2}{3}$  and  $\frac{8}{12}$

### Greater Depth

9a. Two sixths is equal to four twelfths.

10a.  $\frac{2}{14} = \frac{3}{21} = \frac{4}{28} = \frac{5}{35}$

11a. False

12a.  $\frac{2}{8}$  and  $\frac{8}{32}$

## Varied Fluency Equivalent Fractions 3

### Developing

1b. One quarter is equal to two eighths.

2b.  $\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16}$

3b. False

4b.  $\frac{1}{4}$  and  $\frac{2}{8}$

### Expected

5b. Eight twelfths is equal to two thirds.

6b.  $\frac{4}{5} = \frac{8}{10} = \frac{12}{15} = \frac{16}{20}$

7b. True

8b.  $\frac{2}{5}$  and  $\frac{4}{10}$

### Greater Depth

9b. Six tenths is equal to twelve twentieths.

10b.  $\frac{3}{9} = \frac{5}{15} = \frac{7}{21} = \frac{9}{27}$

11b. False

12b.  $\frac{3}{9}$  and  $\frac{9}{27}$