Varied Fluency
Step 3: Equivalent Fractions 2

National Curriculum Objectives:

Mathematics Year 4: (4F2) Recognise and show, using diagrams, families of common equivalent fractions

Differentiation:

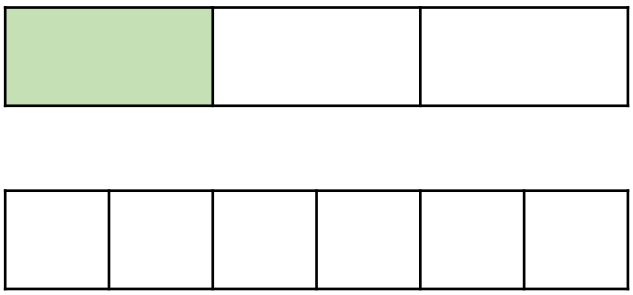
Developing Questions to support the understanding of equivalent fractions. Includes doubling the starting fraction only.
Expected Questions to support the understanding of equivalent fractions. Includes denominators which are multiples of the starting fraction.
Greater Depth Questions to support the understanding of equivalent fractions. Includes denominators which share a common factor.

More Year 4 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

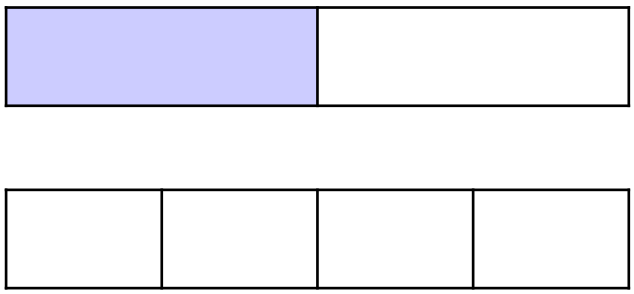
Equivalent Fractions 2

1a. Complete the diagram to show the equivalent fraction.



D VF

1b. Complete the diagram to show the equivalent fraction.



D VF

2a. What have the numerator and denominator been multiplied by to make the equivalent fraction?

$$\frac{1}{5} \times \frac{\square}{\square} = \frac{2}{10}$$

D VF

2b. What have the numerator and denominator been multiplied by to make the equivalent fraction?

$$\frac{1}{3} \times \frac{\square}{\square} = \frac{2}{6}$$

D VF

3a. Circle the fraction which is equivalent to $\frac{1}{2}$.

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

D VF

3b. Circle the fraction which is equivalent to $\frac{1}{4}$.

$$\frac{2}{5} \qquad \frac{2}{8} \qquad \frac{1}{8}$$

D VF

4a. Complete the fraction equivalent to $\frac{1}{4}$.

$$\frac{2}{\square}$$

D VF

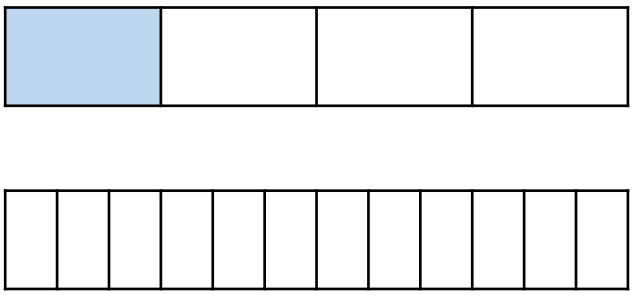
4b. Complete the fraction equivalent to $\frac{1}{5}$.

$$\frac{\square}{10}$$

D VF

Equivalent Fractions 2

5a. Complete the diagram to show the equivalent fraction.



VF

Equivalent Fractions 2

5b. Complete the diagram to show the equivalent fraction.

VF

6a. What have the numerator and denominator been multiplied by to make the equivalent fraction?

$$\frac{1}{6} \times \frac{\square}{\square} = \frac{4}{24}$$

VF

6b. What have the numerator and denominator been multiplied by to make the equivalent fraction?

$$\frac{1}{8} \times \frac{\square}{\square} = \frac{5}{40}$$

VF

7a. Circle the fractions which are equivalent to $\frac{1}{3}$.

$$\frac{2}{6} \quad \frac{4}{10} \quad \frac{4}{12} \quad \frac{3}{9} \quad \frac{3}{6}$$

VF

7b. Circle the fractions which are equivalent to $\frac{1}{5}$.

$$\frac{4}{20} \quad \frac{3}{8} \quad \frac{2}{10} \quad \frac{3}{15} \quad \frac{4}{12}$$

VF

8a. Write a fraction which is equivalent to $\frac{1}{5}$.

$$\frac{\square}{\square}$$

VF

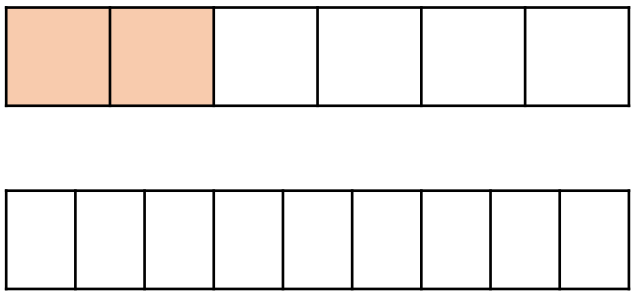
8b. Write a fraction which is equivalent to $\frac{1}{4}$.

$$\frac{\square}{\square}$$

VF

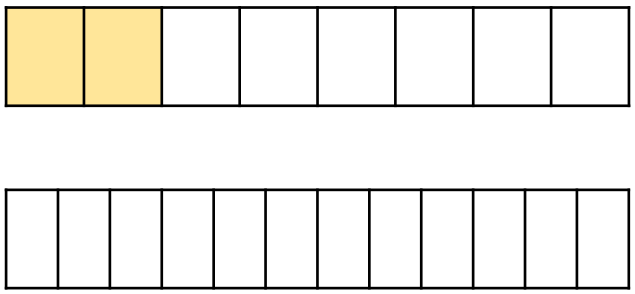
Equivalent Fractions 2

9a. Complete the diagram to show the equivalent fraction.



GD VF

9b. Complete the diagram to show the equivalent fraction.



GD VF

10a. What is the lowest common denominator for the equivalent fractions below?

$\frac{3}{15}$ $\frac{5}{25}$

GD VF

10b. What is the lowest common denominator for the equivalent fractions below?

$\frac{2}{12}$ $\frac{5}{30}$

GD VF

11a. Circle the fractions which are equivalent to $\frac{4}{28}$.

$\frac{5}{35}$ $\frac{1}{8}$ $\frac{3}{21}$

$\frac{6}{30}$ $\frac{2}{14}$

GD VF

11b. Circle the fractions which are equivalent to $\frac{3}{27}$.

$\frac{4}{36}$ $\frac{6}{30}$ $\frac{5}{45}$

$\frac{2}{18}$ $\frac{2}{26}$

GD VF

12a. Write a fraction which is equivalent to $\frac{5}{20}$.

$\frac{\square}{\square}$

GD VF

12b. Write a fraction which is equivalent to $\frac{4}{20}$.

$\frac{\square}{\square}$

GD VF

Varied Fluency
Equivalent Fractions 2

Developing

1a. 2 blocks must be shaded.

2a. 2; 2

3a. $\frac{2}{4}$

4a. $\frac{2}{8}$

Expected

5a. 3 blocks must be shaded.

6a. 4; 4

7a. $\frac{2}{6}$, $\frac{3}{9}$ and $\frac{4}{12}$

8a. Various answers, for example: $\frac{2}{10}$ or $\frac{3}{15}$

Greater Depth

9a. 3 blocks must be shaded.

10a. 5

11a. $\frac{5}{35}$, $\frac{3}{21}$ and $\frac{2}{14}$

12a. Various answers, for example: $\frac{1}{4}$ or $\frac{2}{8}$

Varied Fluency
Equivalent Fractions 2

Developing

1b. 2 blocks must be shaded.

2b. 2; 2

3b. $\frac{2}{8}$

4b. $\frac{2}{10}$

Expected

5b. 3 blocks must be shaded.

6b. 5; 5

7b. $\frac{2}{10}$, $\frac{3}{15}$ and $\frac{4}{20}$

8b. Various answers, for example: $\frac{2}{8}$ or $\frac{3}{12}$

Greater Depth

9b. 3 blocks must be shaded.

10b. 6

11b. $\frac{4}{36}$, $\frac{5}{45}$ and $\frac{2}{18}$

12b. Various answers, for example: $\frac{1}{5}$ or $\frac{2}{10}$