Varied Fluency
Step 1: Equivalent Fractions 1

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support finding equivalent halves and quarters. Pictorial support for most fractions.
Expected Questions to support finding equivalent halves, thirds, quarters, fifths, sixths, eighths and tenths. Pictorial support for some fractions.
Greater Depth Questions to support finding equivalent halves, thirds, quarters, fifths, sixths, eighths and tenths and some non-unit fractions. Less pictorial support is provided.

More Year 3 Fractions resources.

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

Equivalent Fractions 1
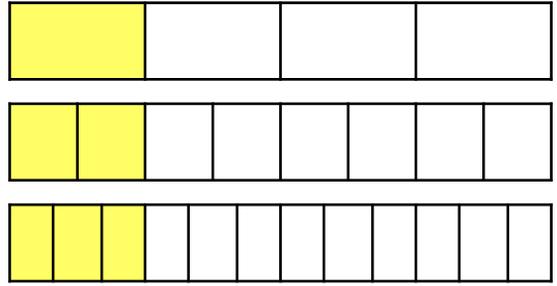
1a. Complete the statement to match the image.

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

VF

1b. Complete the statement to match the image.

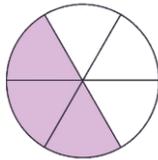$$\frac{1}{4} = \frac{}{8} = \frac{}{12}$$
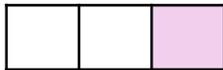
VF

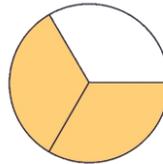**2a.** Which shapes show equivalent halves?
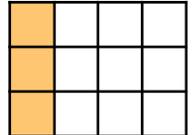
Shape B
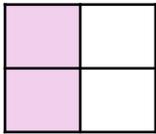
Shape A

Shape C

VF

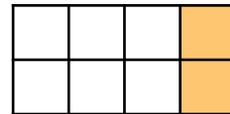**2b.** Which shapes show equivalent quarters?

Shape B

Shape A

Shape C

VF

3a. Circle the pair of equivalent fractions.

$$\frac{1}{2} \qquad \frac{1}{3} \qquad \frac{2}{7} \qquad \frac{4}{8}$$
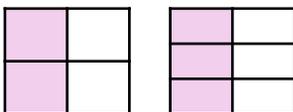
VF

3b. Circle the pair of equivalent fractions.

$$\frac{1}{5} \qquad \frac{1}{4} \qquad \frac{2}{6} \qquad \frac{2}{8}$$

VF

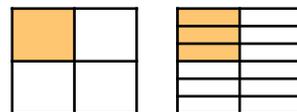**4a.** Use the images to complete the statement.

$$\frac{1}{2} = \frac{}{6}$$

VF
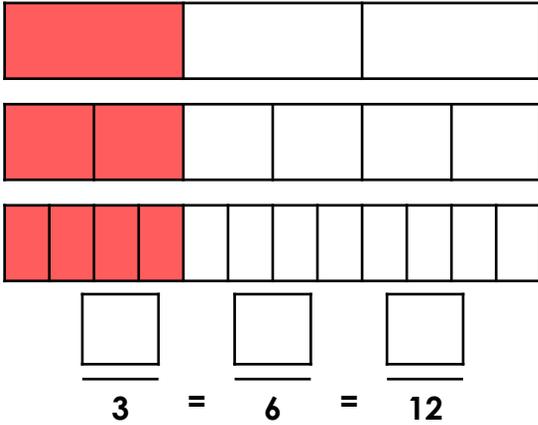
4b. Use the images to complete the statement.

$$\frac{1}{4} = \frac{3}{}$$

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Varied Fluency – Equivalent Fractions 1 – Year 3 Developing

5a. Complete the statement to match the image.

$$\frac{}{3} = \frac{}{6} = \frac{}{12}$$

5b. Complete the statement to match the image.

$$\frac{}{5} = \frac{}{10} = \frac{}{15}$$
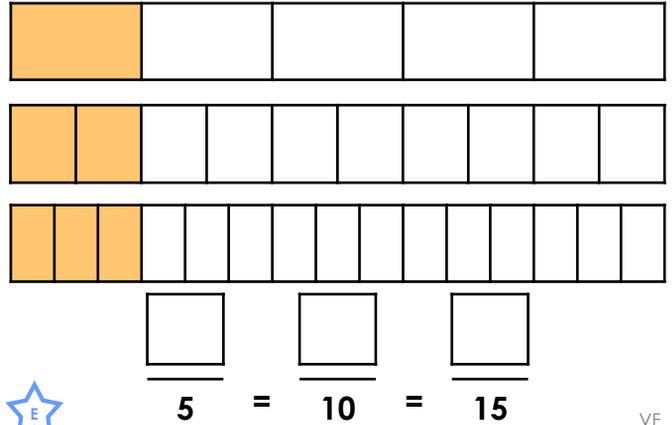
6a. Which shapes show equivalent thirds?
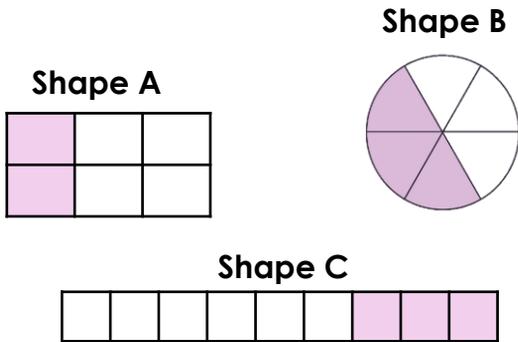
Shape B

Shape A

Shape C

6b. Which shapes show equivalent sixths?

Shape B

Shape A

Shape C
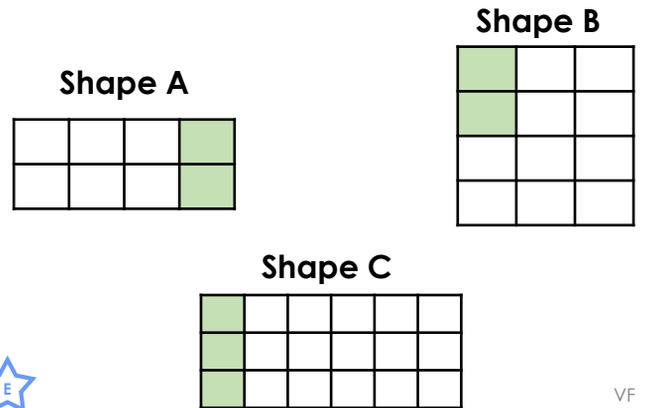
7a. Circle the pair of equivalent fractions.

$$\frac{1}{4} \qquad \frac{1}{6} \qquad \frac{2}{8} \qquad \frac{2}{4}$$

7b. Circle the pair of equivalent fractions.

$$\frac{1}{3} \qquad \frac{1}{7} \qquad \frac{3}{9} \qquad \frac{2}{8}$$

8a. Complete the statements.

$$\frac{1}{3} = \frac{\boxed{}}{12}$$

$$\frac{1}{5} = \frac{\boxed{}}{15}$$

8b. Complete the statements.

$$\frac{1}{10} = \frac{\boxed{}}{20}$$

$$\frac{1}{8} = \frac{\boxed{}}{16}$$

9a. Write an equivalent fraction statement using the fraction wall.
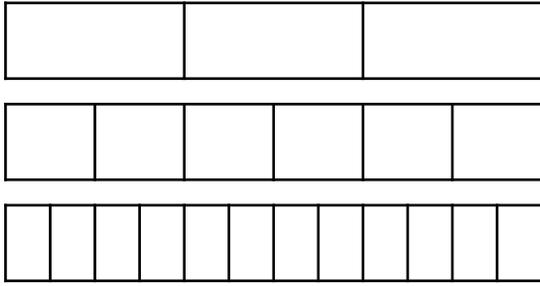
9b. Write an equivalent fraction statement using the fraction wall.

10a. Which shapes show equivalent eighths?

Shape A

Shape B

Shape C

10b. Which shapes show equivalent tenths?

Shape A

Shape B

Shape C
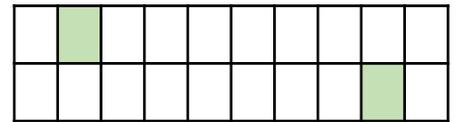
11a. Circle the pair of equivalent fractions.

$$\frac{1}{9} \qquad \frac{3}{8} \qquad \frac{2}{12} \qquad \frac{2}{7} \qquad \frac{1}{6}$$

11b. Circle the pair of equivalent fractions.

$$\frac{6}{8} \qquad \frac{2}{10} \qquad \frac{1}{10} \qquad \frac{3}{4} \qquad \frac{5}{12}$$

12a. Complete the statements.

$$\frac{2}{6} = \frac{\square}{18}$$

$$\frac{3}{8} = \frac{6}{\square}$$
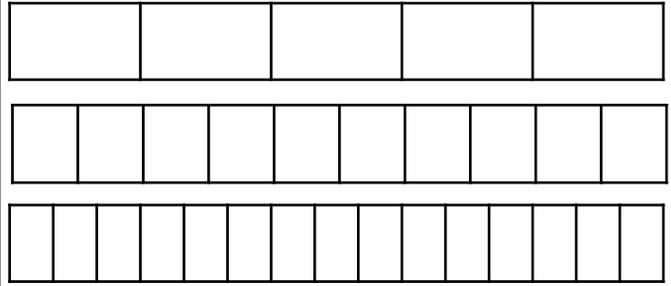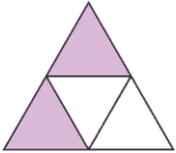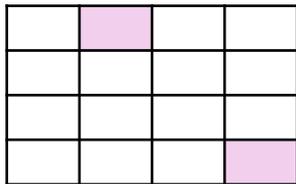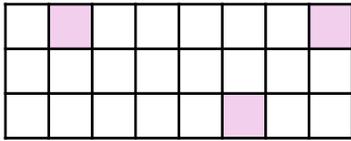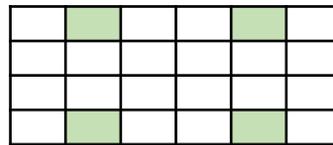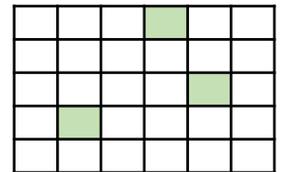
12b. Complete the statements.

$$\frac{4}{10} = \frac{\square}{20}$$

$$\frac{2}{5} = \frac{6}{\square}$$

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Varied Fluency – Equivalent Fractions 1 – Year 3 Greater Depth

Developing

1a. $\dfrac{1}{2} = \dfrac{2}{4} = \dfrac{4}{8}$

2a. A and B

3a. $\dfrac{1}{2}$ and $\dfrac{4}{8}$

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

Developing

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

2b. B and C

3b. $\dfrac{1}{4}$ and $\dfrac{2}{8}$

4b. $\dfrac{1}{4} = \dfrac{3}{12}$

Expected

5a. $\dfrac{1}{3} = \dfrac{2}{6} = \dfrac{4}{12}$

6a. A and C

7a. $\dfrac{1}{4}$ and $\dfrac{2}{8}$

8a. $\dfrac{1}{3} = \dfrac{4}{12}$　　$\dfrac{1}{5} = \dfrac{3}{15}$

Expected

5b. $\dfrac{1}{5} = \dfrac{2}{10} = \dfrac{3}{15}$

6b. B and C

7b. $\dfrac{1}{3}$ and $\dfrac{3}{9}$

8b. $\dfrac{1}{10} = \dfrac{2}{20}$　　$\dfrac{1}{8} = \dfrac{2}{16}$

Greater Depth

9a. Various answers, for example:

$\dfrac{2}{3} = \dfrac{4}{6} = \dfrac{8}{12}$

10a. B and C

11a. $\dfrac{1}{6}$ and $\dfrac{2}{12}$

12a. $\dfrac{2}{6} = \dfrac{6}{18}$　　$\dfrac{3}{8} = \dfrac{6}{16}$

Greater Depth

9b. Various answers, for example:

$\dfrac{2}{5} = \dfrac{4}{10} = \dfrac{6}{15}$

10b. B and C

11b. $\dfrac{3}{4}$ and $\dfrac{6}{8}$

12b. $\dfrac{4}{10} = \dfrac{8}{20}$　　$\dfrac{2}{5} = \dfrac{6}{15}$

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