

Varied Fluency

Step 1: Equivalent Fractions

National Curriculum Objectives:

Mathematics Year 5: (5F2b) [Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths](#)

Differentiation:

Developing Questions to support finding fractions equivalent to $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, and $\frac{1}{5}$ using pictorial representations.

Expected Questions to support finding equivalent fractions of fractions where the numerator is 1 or 2, using pictorial representations. Using knowledge of times tables.

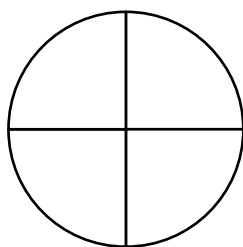
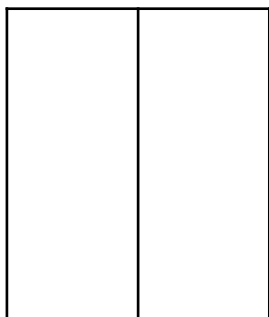
Greater Depth Questions to support finding equivalent fractions of unit and non-unit fractions using pictorial representations. Using knowledge of times tables and partitioning to multiply.

More [Year 5 Fraction](#) resources.

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

Equivalent Fractions

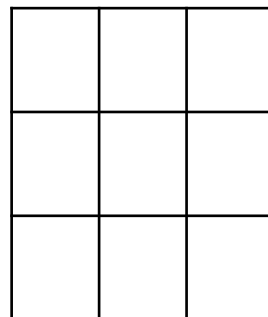
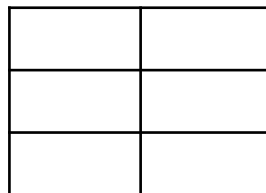
1a. Colour $\frac{1}{2}$ of each shape.



VF

Equivalent Fractions

1b. Colour $\frac{1}{3}$ of each shape.

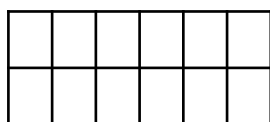


VF

2a. Colour the second image to show an equivalent fraction. Write the fractions underneath.



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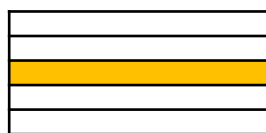


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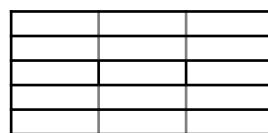


VF

2b. Colour the second image to show an equivalent fraction. Write the fractions underneath.



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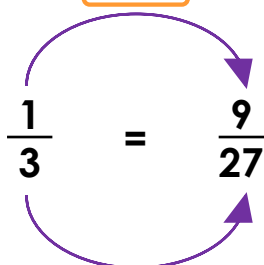
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VF

3a. Fill in the missing multiplier.

x ?



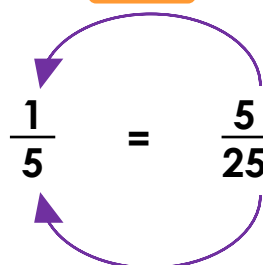
x ?



VF

3b. Filling the missing divisor.

÷ ?



÷ ?



VF

4a. Match the equivalent fractions.

$$\frac{1}{4}$$

$$\frac{1}{5}$$

$$\frac{4}{20}$$

$$\frac{3}{12}$$

$$\frac{8}{24}$$

$$\frac{1}{3}$$



VF

4b. Match the equivalent fractions.

$$\frac{1}{3}$$

$$\frac{4}{20}$$

$$\frac{1}{4}$$

$$\frac{5}{20}$$

$$\frac{1}{5}$$

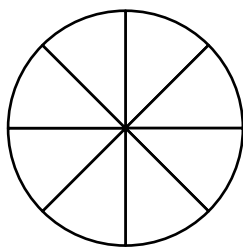
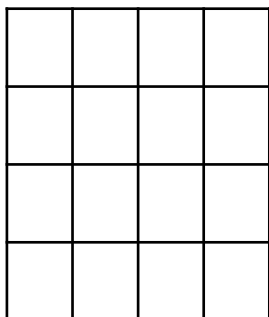
$$\frac{5}{15}$$



VF

Equivalent Fractions

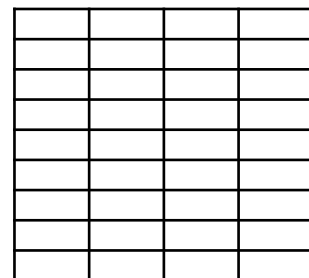
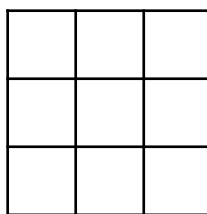
5a. Colour $\frac{2}{8}$ of each shape.



VF

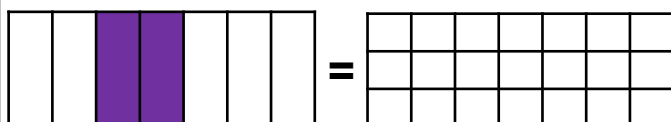
Equivalent Fractions

5b. Colour $\frac{2}{9}$ of each shape.



VF

6a. Colour the second image to show an equivalent fraction. Write the fractions underneath.

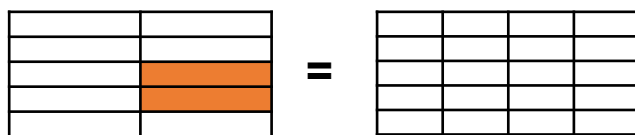


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VF

6b. Colour the second image to show an equivalent fraction. Write the fractions underneath.

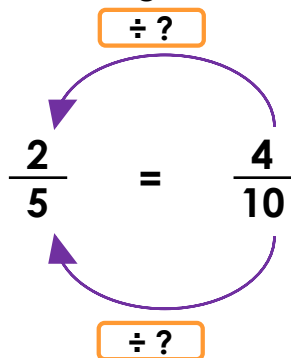


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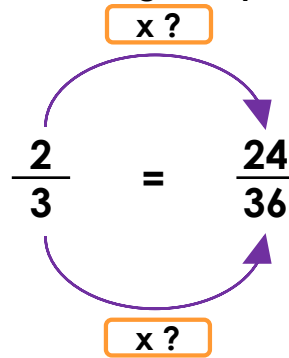
VF

7a. Fill in the missing divisor.



VF

7b. Fill in the missing multiplier.



VF

8a. Match the equivalent fractions.

$$\frac{2}{7}$$

$$\frac{4}{48}$$

$$\frac{1}{12}$$

$$\frac{6}{21}$$

$$\frac{2}{9}$$

$$\frac{10}{45}$$



VF

8b. Match the equivalent fractions.

$$\frac{1}{8}$$

$$\frac{8}{56}$$

$$\frac{2}{5}$$

$$\frac{8}{64}$$

$$\frac{1}{7}$$

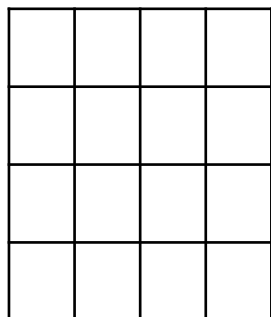
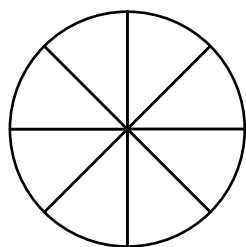
$$\frac{8}{20}$$



VF

Equivalent Fractions

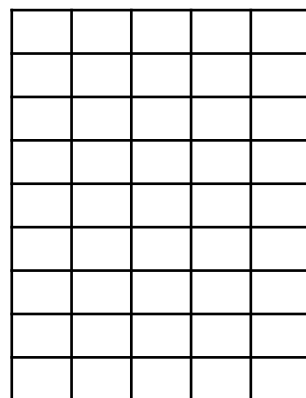
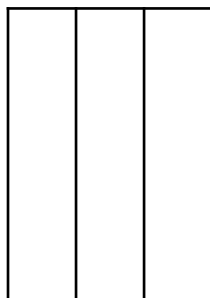
9a. Colour $\frac{3}{4}$ of each shape.



VF

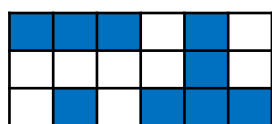
Equivalent Fractions

9b. Colour $\frac{6}{9}$ of each shape.

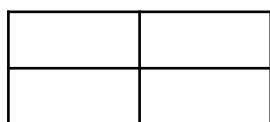


VF

10a. Colour the second image to show an equivalent fraction. Write the fractions underneath.



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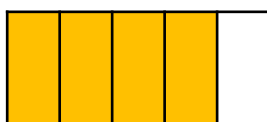


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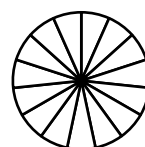


VF

10b. Colour the second image to show an equivalent fraction. Write the fractions underneath.



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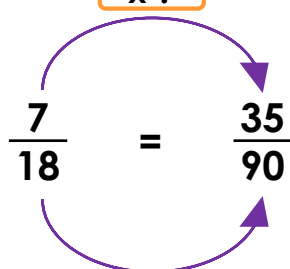
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VF

11a. Fill in the missing multiplier.

x ?



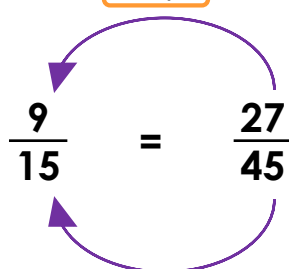
x ?



VF

11b. Fill in the missing divisor.

÷ ?



÷ ?



VF

12a. Match the equivalent fractions.

$$\frac{6}{11}$$

$$\frac{49}{63}$$

$$\frac{5}{8}$$

$$\frac{75}{120}$$

$$\frac{7}{9}$$

$$\frac{42}{77}$$



VF

12b. Match the equivalent fractions.

$$\frac{4}{15}$$

$$\frac{8}{96}$$

$$\frac{4}{48}$$

$$\frac{18}{32}$$

$$\frac{9}{16}$$

$$\frac{20}{75}$$



VF

Varied Fluency Equivalent Fractions

Developing

1a. 1 part; 2 parts

2a. Any 4 parts. $\frac{1}{3} = \frac{4}{12}$

3a. 9

4a. $\frac{1}{4} = \frac{3}{12}$; $\frac{4}{20} = \frac{1}{5}$; $\frac{8}{24} = \frac{1}{3}$

Expected

5a. 4 parts; 2 parts

6a. Any 6 parts. $\frac{2}{7} = \frac{6}{21}$

7a. 2

8a. $\frac{2}{7} = \frac{6}{21}$; $\frac{1}{12} = \frac{4}{48}$; $\frac{2}{9} = \frac{10}{45}$

Greater Depth

9a. 6 parts; 12 parts

10a. Any 2 parts. $\frac{9}{18} = \frac{2}{4}$

11a. 5

12a. $\frac{6}{11} = \frac{42}{77}$; $\frac{5}{8} = \frac{75}{120}$; $\frac{7}{9} = \frac{49}{63}$

Varied Fluency Equivalent Fractions

Developing

1b. 2 parts; 3 parts

2b. Any 3 parts. $\frac{1}{5} = \frac{3}{15}$

3b. 5

4b. $\frac{1}{3} = \frac{5}{15}$; $\frac{1}{4} = \frac{5}{20}$; $\frac{1}{5} = \frac{4}{20}$

Expected

5b. 2 parts; 8 parts

6b. Any 4 parts. $\frac{2}{10} = \frac{4}{20}$

7b. 12

8b. $\frac{1}{8} = \frac{8}{64}$; $\frac{2}{5} = \frac{8}{20}$; $\frac{1}{7} = \frac{8}{56}$

Greater Depth

9b. 2 parts; 30 parts

10b. Any 12 parts. $\frac{4}{5} = \frac{12}{15}$

11b. 3

12b. $\frac{4}{15} = \frac{20}{75}$; $\frac{4}{48} = \frac{8}{96}$; $\frac{9}{16} = \frac{18}{32}$