

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 a half, a third, a quarter or a fifth using pictorial support where the original denominator is represented first.

Expected Questions to support finding equivalent unit and non-unit fractions using pictorial support where the original denominator is represented first.

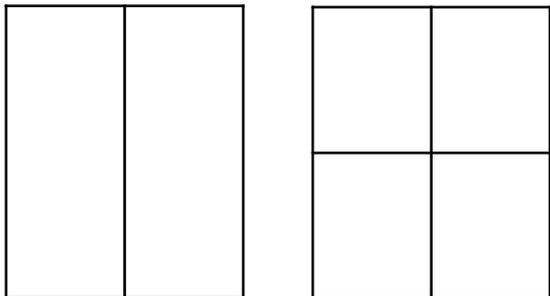
Greater Depth Questions to support finding equivalent fractions of unit and non-unit fractions using pictorial support where the image represent a multiple of the denominator.

More [Year 5 Fraction](#) resources.

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

Equivalent Fractions

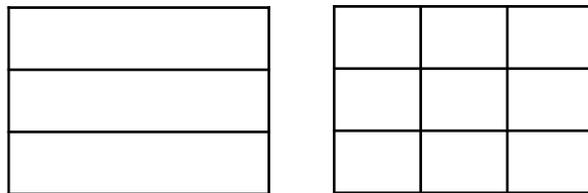
1a. Colour $\frac{1}{2}$ of each shape.



VF

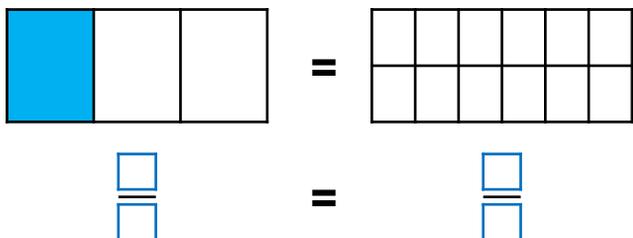
Equivalent Fractions

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



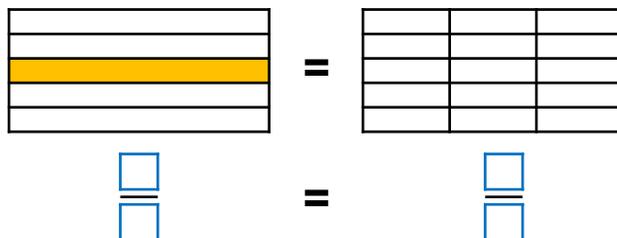
VF

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



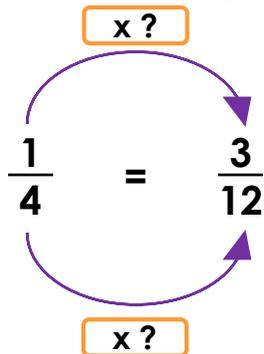
VF

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



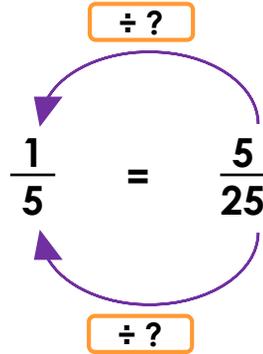
VF

3a. Fill in the missing multiplier.



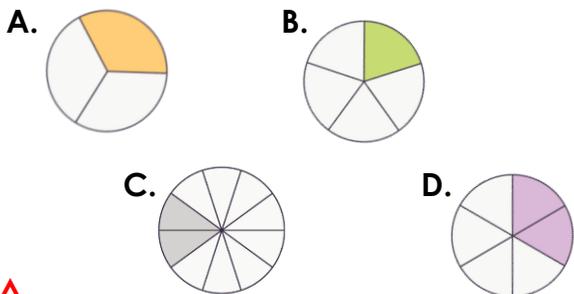
VF

3b. Filling the missing divisor.



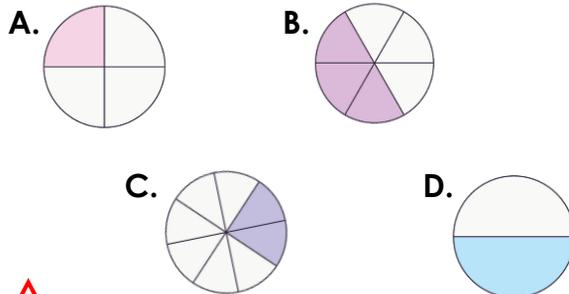
VF

4a. Match the equivalent fractions.



VF

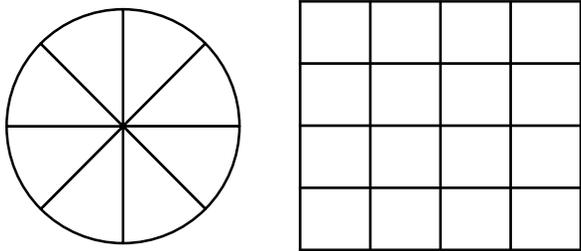
4b. Match the equivalent fractions.



VF

Equivalent Fractions

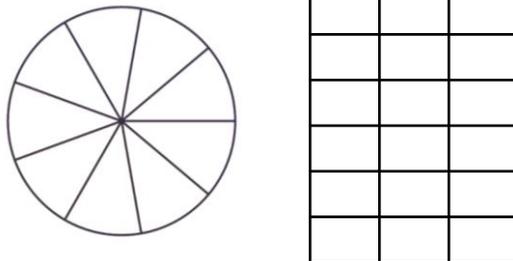
5a. Colour $\frac{2}{8}$ of each shape.



VF

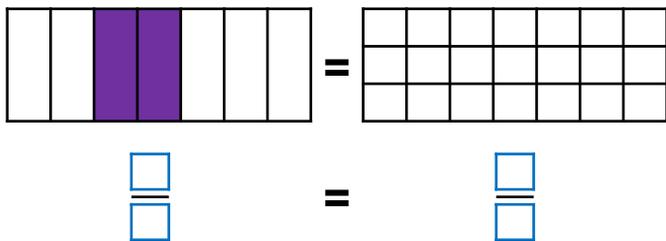
Equivalent Fractions

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



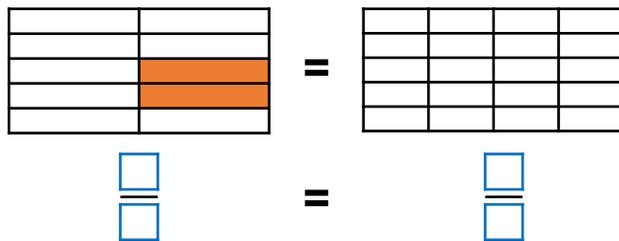
VF

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



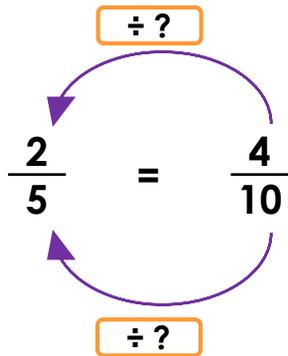
VF

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



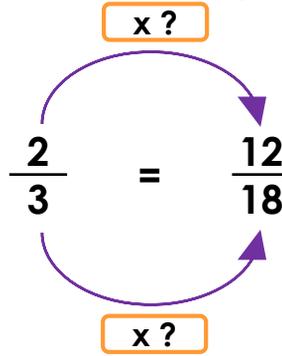
VF

7a. Fill in the missing divisor.



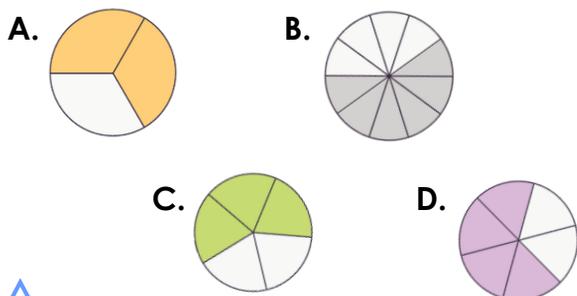
VF

7b. Fill in the missing multiplier.



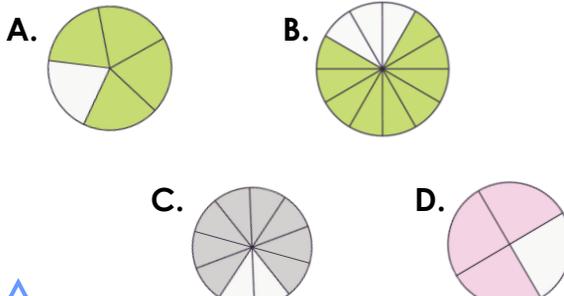
VF

8a. Match the equivalent fractions.



VF

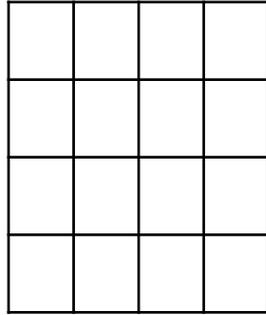
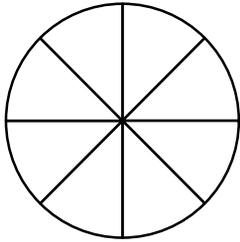
8b. Match the equivalent fractions.



VF

Equivalent Fractions

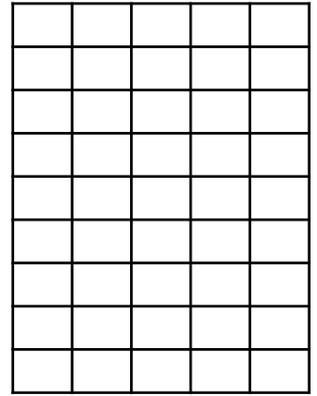
9a. Colour $\frac{3}{4}$ of each shape.



VF

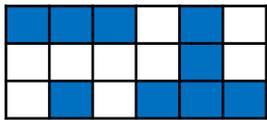
Equivalent Fractions

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

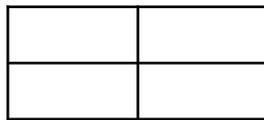


VF

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



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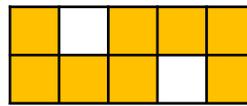


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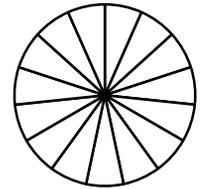


VF

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



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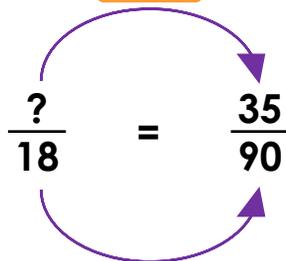
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VF

11a. Fill in the missing multiplier and numerator.

$\times ?$



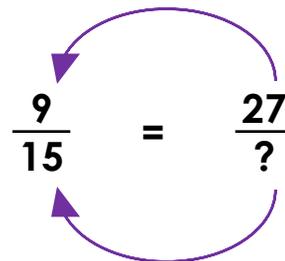
$\times ?$



VF

11b. Fill in the missing divisor and denominator.

$\div ?$



$\div ?$



VF

12a. Match the equivalent fractions.

A $\frac{6}{11}$

D. $\frac{49}{63}$

B $\frac{5}{8}$

E. $\frac{75}{120}$

C $\frac{7}{9}$

F. $\frac{42}{77}$



VF

12b. Match the equivalent fractions.

A $\frac{4}{15}$

D. $\frac{8}{96}$

B $\frac{4}{48}$

E. $\frac{36}{64}$

C $\frac{9}{16}$

F. $\frac{20}{75}$



VF

Varied Fluency Equivalent Fractions

Developing

1a. 1 part shaded; 2 parts shaded

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

3a. 3

4a. A and D match; B and C match

Expected

5a. 2 parts shaded; 4 parts shaded

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

7a. 2

8a. A and D match; B and C match

Greater Depth

9a. 6 parts shaded; 12 parts shaded

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

11a. 5 = missing multiplier; 7 = missing numerator

12a. A and F; B and E; C and D

Varied Fluency Equivalent Fractions

Developing

1b. 1 part shaded; 3 parts shaded

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

3b. 5

4b. A and C match; B and D match

Expected

5b. 2 parts shaded; 4 parts shaded

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

7b. 6

8b. A and C match; B and D match

Greater Depth

9b. 2 parts shaded; 30 parts shaded

10b. Any 12 parts. $\frac{8}{10} = \frac{12}{15}$

11b. 3 = missing divisor; 45 = missing denominator

12b. A and F; B and D; C and E