

Varied Fluency

Step 1: What is a Fraction?

Teaching note: We recommend this resource is printed in colour.

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support recognising and naming unit fractions up to and including twelfths, using objects, shapes and number lines which include scales.

Expected Questions to support recognising and naming unit and non-unit fractions up to and including twelfths, using objects, shapes and number lines which include scales.

Greater Depth Questions to support recognising and naming unit and non-unit fractions up to and including twelfths, using mixed objects, mixed shapes and some indication of scale.

More [Year 4 Fractions](#) resources.

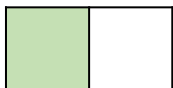
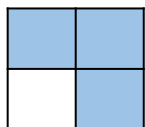
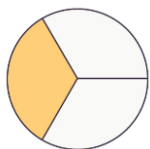
Did you like this resource? Don't forget to [review](#) it on our website.

What is a Fraction?

What is a Fraction?

1a. Circle the representations that show

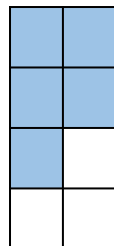
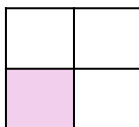
$$\frac{1}{3}$$



VF

1b. Circle the representations that show

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



VF

2a. Match the unit fraction to the correct representation.

$$\frac{1}{11}$$



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



$$\frac{1}{9}$$



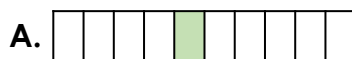
$$\frac{1}{2}$$



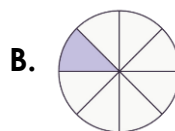
VF

2b. Match the unit fraction to the correct representation.

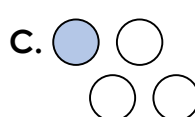
$$\frac{1}{6}$$



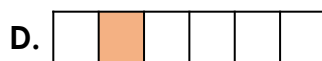
$$\frac{1}{4}$$



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



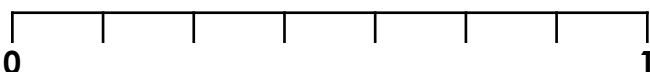
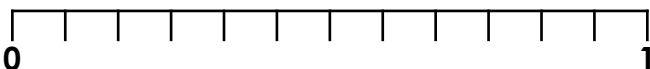
$$\frac{1}{10}$$



VF

3a. Place the following fractions on the correct number line below.

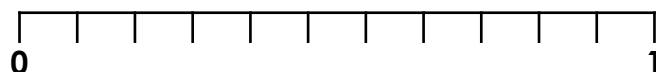
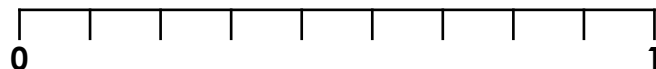
$$\frac{1}{12} \quad \frac{1}{7}$$



VF

3b. Place the following fractions on the correct number line below.

$$\frac{1}{9} \quad \frac{1}{11}$$



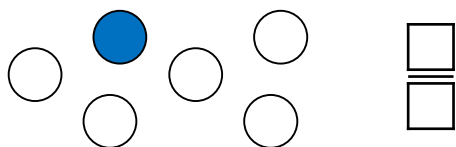
VF

4a. Write the unit fraction represented below.



VF

4b. Write the unit fraction represented below.

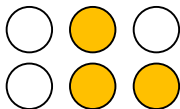
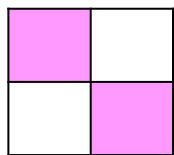
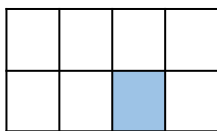


VF

What is a Fraction?

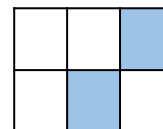
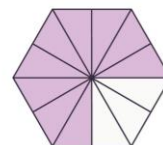
What is a Fraction?

5a. Circle the unit fractions.



VF

5b. Circle the non-unit fractions.

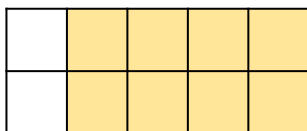


VF

6a. Match the fraction to the correct representation.

$$\frac{2}{6}$$

A.



$$\frac{8}{10}$$

B.



$$\frac{9}{12}$$

C.



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

D.

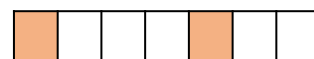


VF

6b. Match the fraction to the correct representation.

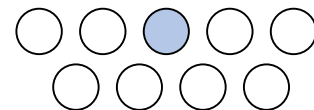
$$\frac{3}{7}$$

A.



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

B.



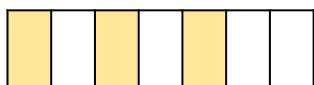
$$\frac{2}{7}$$

C.



$$\frac{1}{9}$$

D.



VF

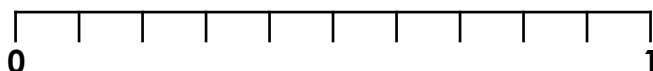
7a. Place the following fractions on the number line below.

$$\frac{5}{10}$$

$$\frac{4}{10}$$

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

$$\frac{2}{10}$$



VF

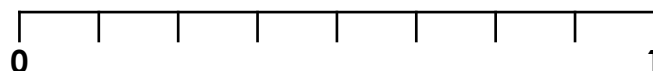
7b. Place the following fractions on the number line below.

$$\frac{4}{8}$$

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

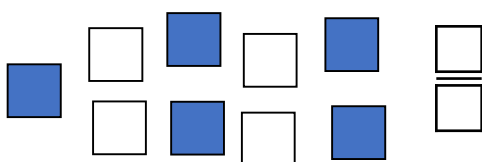
$$\frac{7}{8}$$

$$\frac{2}{8}$$



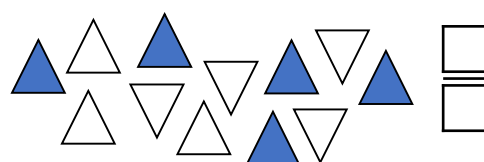
VF

8a. Write a fraction represented below.



VF

8b. Write a fraction represented below.

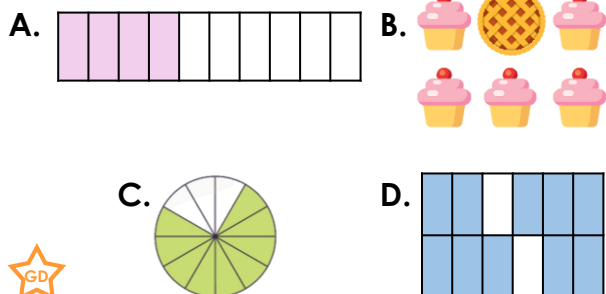


VF

What is a Fraction?

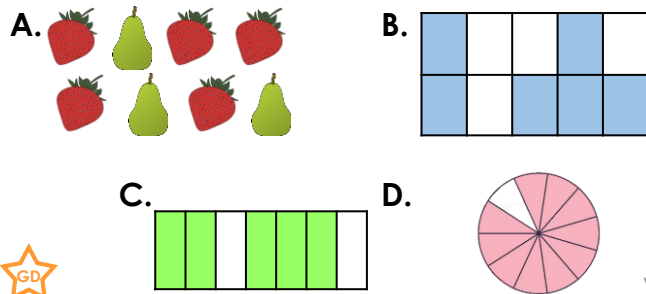
What is a Fraction?

9a. Write a fraction shown by each image.



VF

9b. Write a fraction shown by each image.



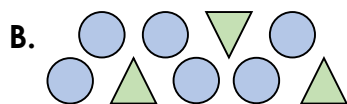
VF

10a. Match the fraction to the correct representation. Which fraction is left?

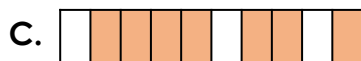
$$\frac{3}{10}$$



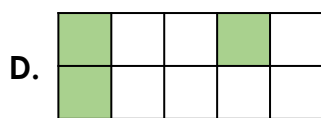
$$\frac{5}{7}$$



$$\frac{3}{9}$$



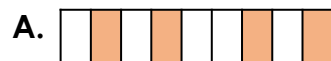
$$\frac{5}{11}$$



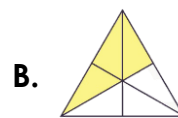
VF

10b. Match the fraction to the correct representation. Which fraction is left?

$$\frac{3}{6}$$



$$\frac{4}{10}$$



$$\frac{5}{9}$$



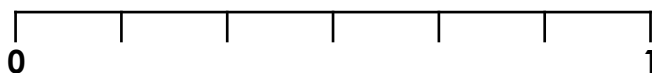
$$\frac{2}{7}$$



VF

11a. Place the following fractions on the number line below.

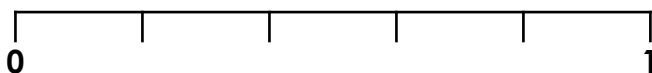
$$\frac{11}{12} \quad \frac{6}{12} \quad \frac{1}{12} \quad \frac{4}{12}$$



VF

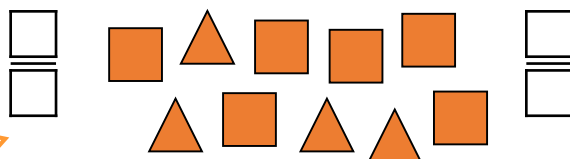
11b. Place the following fractions on the number line below.

$$\frac{9}{10} \quad \frac{2}{10} \quad \frac{6}{10} \quad \frac{5}{10}$$



VF

12a. Write the two fractions that are represented below.



VF

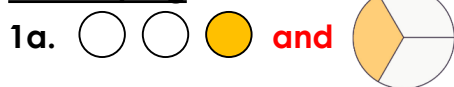
12b. Write the two fractions that are represented below.



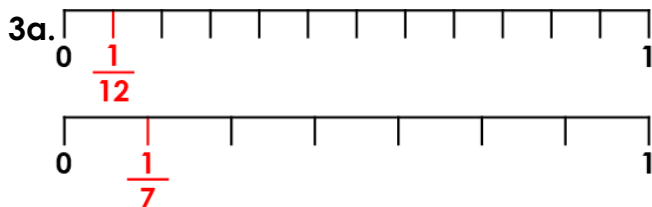
VF

Varied Fluency What is a Fraction?

Developing

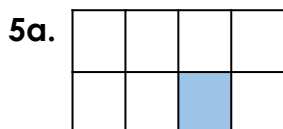


2a. A. $\frac{1}{2}$; B. $\frac{1}{9}$; C. $\frac{1}{11}$; D. $\frac{1}{5}$

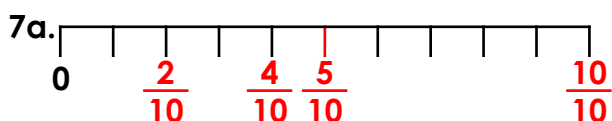


4a. $\frac{1}{11}$

Expected



6a. A. $\frac{8}{10}$; B. $\frac{9}{12}$; C. $\frac{2}{6}$; D. $\frac{1}{7}$

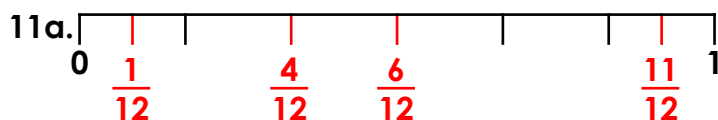


8a. $\frac{5}{9}$ or $\frac{4}{9}$

Greater Depth

9a. A: $\frac{4}{10}$ or $\frac{6}{10}$; B: $\frac{1}{6}$ or $\frac{5}{6}$; C: $\frac{3}{12}$ or $\frac{9}{12}$;
D: $\frac{2}{12}$ or $\frac{10}{12}$

10a. A. $\frac{5}{7}$; B. $\frac{3}{9}$; C. $\frac{3}{10}$; D. $\frac{3}{10}$
 $\frac{5}{11}$ is the remaining fraction.



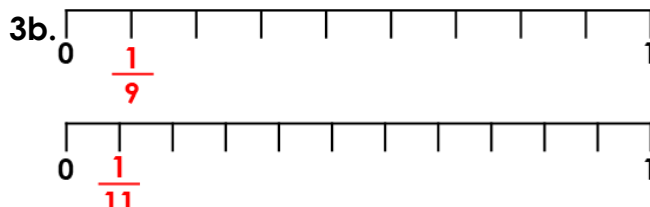
12a. $\frac{4}{10}$ and $\frac{6}{10}$

Varied Fluency What is a Fraction?

Developing



2b. A. $\frac{1}{10}$; B. $\frac{1}{8}$; C. $\frac{1}{4}$; D. $\frac{1}{6}$

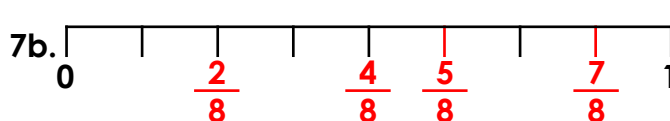


4b. $\frac{1}{6}$

Expected



6b. A. $\frac{2}{7}$; B. $\frac{1}{9}$; C. $\frac{5}{8}$; D. $\frac{3}{7}$

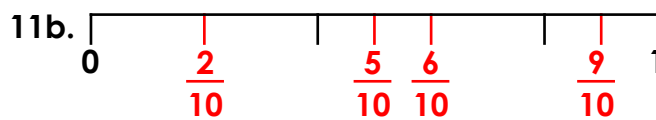


8b. $\frac{5}{12}$ or $\frac{7}{12}$

Greater Depth

9b. A: $\frac{3}{8}$ or $\frac{5}{8}$; B: $\frac{4}{10}$ or $\frac{6}{10}$; C: $\frac{2}{7}$ or $\frac{5}{7}$;
D: $\frac{1}{11}$ or $\frac{10}{11}$

10b. A. $\frac{5}{9}$; B. $\frac{3}{6}$; C. $\frac{2}{7}$; D. $\frac{5}{9}$;
 $\frac{4}{10}$ is the remaining fraction.



12b. $\frac{5}{11}$ and $\frac{6}{11}$