

Varied Fluency

Step 1: Unit and Non-Unit Fractions

National Curriculum Objectives:

Mathematics Year 3: (3F1b) [Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators](#)

Differentiation:

Developing Questions to support recognising and finding fractions of shapes (circles, squares and rectangles) and amounts. Using halves, thirds and quarters. Images organised in grids.

Expected Questions to support recognising and finding fractions of shapes (circles, squares, rectangles and triangles) and amounts. Using halves, thirds, quarters as well as fractions with other denominators. Images organised in grids.

Greater Depth Questions to support recognising and finding fractions of various shapes and amounts. Using unit and non-unit fractions with various denominators. Images arranged randomly.

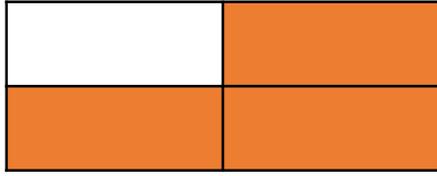
More [Year 3 Fractions](#) resources.

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

Unit and Non-Unit Fractions

Unit and Non-Unit Fractions

1a. Circle the fraction shaded below.

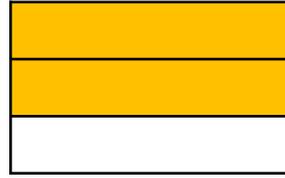


- $\frac{3}{4}$
- $\frac{4}{3}$
- $\frac{4}{1}$



VF

1b. Circle the fraction shaded below.



- $\frac{2}{3}$
- $\frac{3}{1}$
- $\frac{1}{2}$



VF

2a. Match the fraction to its representation.

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

- A.
- B.
- C.
- D.



VF

2b. Match the fraction to its representation.

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

- A.
- B.
- C.
- D.



VF

3a. Find the odd one out in the fractions below.

- A.
- B.
- C.



VF

3b. Find the odd one out in the fractions below.

- A.
- B.
- C.



VF

4a. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

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



VF

4b. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

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

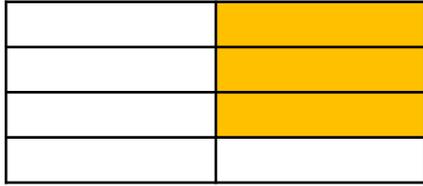


VF

Unit and Non-Unit Fractions

Unit and Non-Unit Fractions

5a. Circle the fraction shaded below.



- $\frac{3}{8}$
- $\frac{3}{5}$
- $\frac{8}{3}$



VF

5b. Circle the fraction shaded below.



- $\frac{6}{2}$
- $\frac{2}{4}$
- $\frac{2}{6}$



VF

6a. Match the fraction to its representation.

| |
|--------------------------------|
| Four out of twelve equal parts |
| $\frac{4}{7}$ |
| Two thirds |
| $\frac{3}{4}$ |

| |
|----|
| A. |
| B. |
| C. |
| D. |



VF

6b. Match the fraction to its representation.

| |
|------------------------------|
| Two out of three equal parts |
| $\frac{4}{6}$ |
| $\frac{3}{9}$ |
| One half |

| |
|----|
| A. |
| B. |
| C. |
| D. |



VF

7a. Find the odd one out in the fractions below.

A.

B.

C.



VF

7b. Find the odd one out in the fractions below.

A.

B.

C.



VF

8a. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

Three fifths

$\frac{5}{7}$

$\frac{1}{10}$



VF

8b. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

Two thirds

$\frac{5}{9}$

Eight tenths

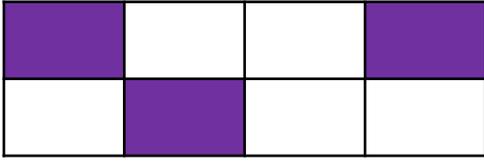


VF

Unit and Non-Unit Fractions

Unit and Non-Unit Fractions

9a. Circle the fraction shaded below.



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

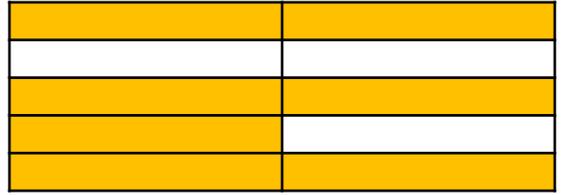
$$\frac{3}{8}$$

$$\frac{3}{5}$$



VF

9b. Circle the fraction shaded below.



$$\frac{10}{7}$$

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

$$\frac{7}{10}$$



VF

10a. Match the fraction to its representation.

| |
|-----------------------------|
| Two out of five equal parts |
| $\frac{4}{8}$ |
| Four sixths |
| $\frac{3}{4}$ |

A.

B.

C.

D.



VF

10b. Match the fraction to its representation.

| |
|----------------------------|
| Two out of six equal parts |
| $\frac{4}{9}$ |
| $\frac{3}{9}$ |
| Three fifths |

A.

B.

C.

D.



VF

11a. Find the odd one out in the fractions below.

A.

B.

C.



VF

11b. Find the odd one out in the fractions below.

A.

B.

C.



VF

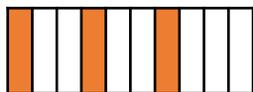
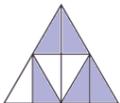
12a. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

$$\frac{1}{16}$$

$$\frac{9}{10}$$

Seven ninths

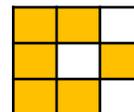


VF

12b. Sort the fractions into the table below.

| Unit fractions | Non-unit fractions |
|----------------|--------------------|
| | |

$$\frac{9}{11}$$



One quarter

Eight twelfths



VF

Varied Fluency Unit and Non-Unit Fractions

Developing

1a. $\frac{3}{4}$

2a. A: $\frac{2}{3}$, B: $\frac{3}{4}$, C: $\frac{2}{4}$, D: $\frac{1}{3}$

3a. B

4a. Unit fractions: $\frac{1}{2}$ and $\frac{1}{3}$; non-unit fractions: $\frac{2}{4}$, $\frac{2}{3}$, $\frac{3}{4}$.

Expected

5a. $\frac{3}{8}$

6a. A: $\frac{4}{7}$, B: $\frac{3}{4}$, C: two thirds, D: four out of twelve equal parts.

7a. C

8a. Unit fractions: $\frac{1}{10}$, $\frac{1}{2}$ and $\frac{1}{5}$; non-unit fractions: three fifths and $\frac{5}{7}$.

Greater Depth

9a. $\frac{3}{8}$

10a. A: two out of five equal parts, B: $\frac{3}{4}$, C: four sixths, D: $\frac{4}{8}$.

11a. C

12a. Unit fractions: $\frac{1}{16}$; non-unit fractions: $\frac{5}{8}$, $\frac{9}{10}$, $\frac{3}{10}$ and seven ninths.

Varied Fluency Unit and Non-Unit Fractions

Developing

1b. $\frac{2}{3}$

2b. A: $\frac{1}{2}$, B: $\frac{1}{3}$, C: $\frac{3}{4}$, D: $\frac{2}{3}$.

3b. B

4b. Unit fractions: $\frac{1}{4}$, $\frac{1}{3}$ and $\frac{1}{2}$; non-unit fractions: $\frac{3}{4}$ and $\frac{2}{3}$.

Expected

5b. $\frac{2}{6}$

6b. A: two out of three equal parts, B: one half, C: $\frac{4}{6}$, D: $\frac{3}{9}$.

7b. A

8a. Unit fractions: $\frac{1}{2}$ and $\frac{1}{3}$; non-unit fractions: two thirds, eight tenths and $\frac{5}{9}$.

Greater Depth

9b. $\frac{7}{10}$

10b. A: $\frac{3}{9}$, B: two out of six equal parts, C: $\frac{4}{9}$, D: three fifths.

11b. B

12b. Unit fractions: one quarter and $\frac{1}{7}$; non-unit fractions: eight twelfths, $\frac{6}{9}$ and $\frac{9}{11}$.

N.B. Children may correctly identify the non-shaded or shaded sections of shapes.