

Varied Fluency

Step 6: Fractions on a Number Line

National Curriculum Objectives:

Mathematics Year 3: (3F1c) [Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators](#)

Differentiation:

Developing Questions to support using a number line to represent fractions greater than one using halves, thirds and quarters. All divisions on the number line are marked and labelled. Images given to support.

Expected Questions to support using a number line to represent fractions greater than one using various fractions up to tenths. All divisions on the number line are marked and labelled. No images given.

Greater Depth Questions to support using a number line to represent fractions greater than one using various fractions up to tenths. Not all divisions on the number line are marked or labelled for the given fraction. No images given.

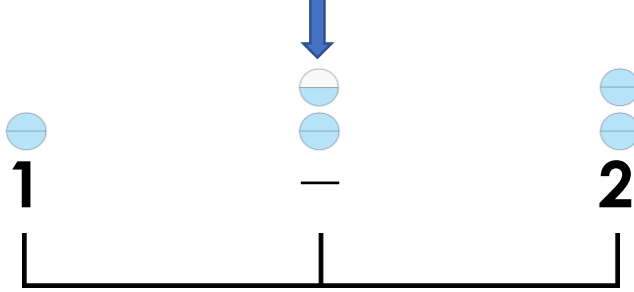
More [Year 3 Fractions](#) resources.

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

Fractions on a Number Line

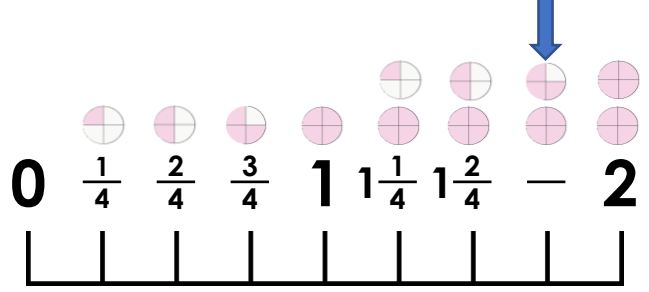
Fractions on a Number Line

1a. What fraction is the arrow pointing to on this number line?



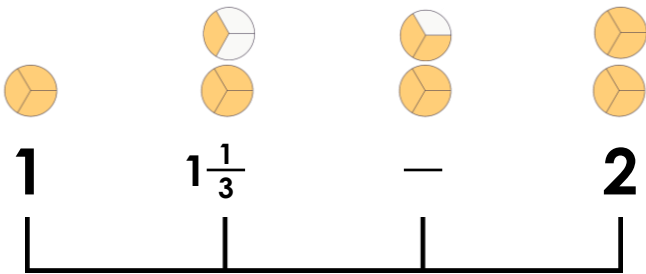
VF

1b. What fraction is the arrow pointing to on this number line?



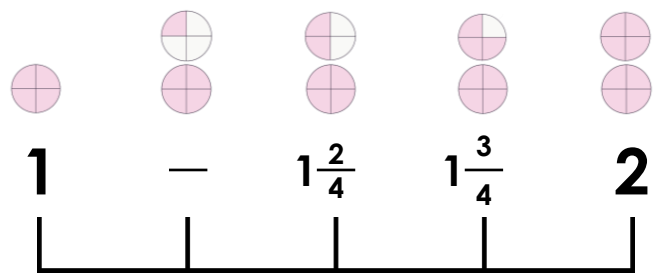
VF

2a. Write the fraction in the gap on the number line.



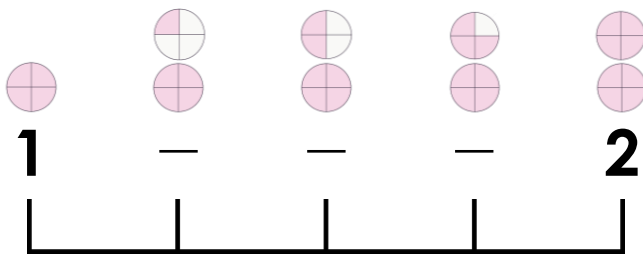
VF

2b. Write the fraction in the gap on the number line.



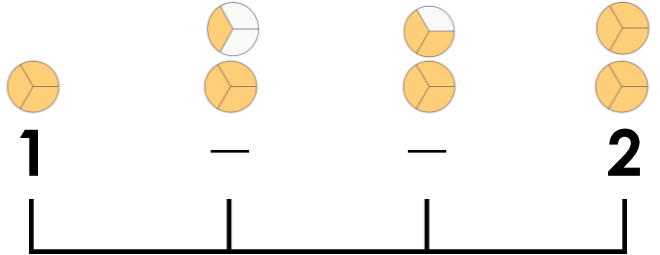
VF

3a. Mark $1\frac{1}{4}$ on the number line.



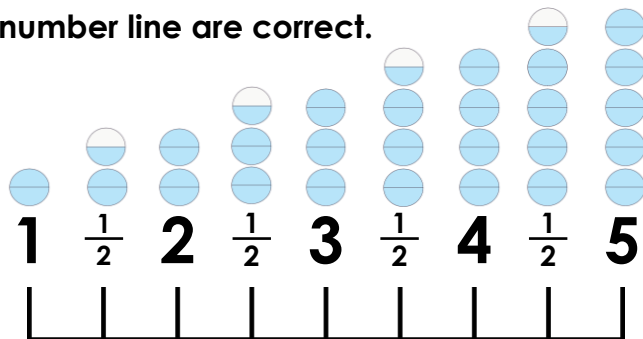
VF

3b. Mark $1\frac{1}{3}$ on the number line.



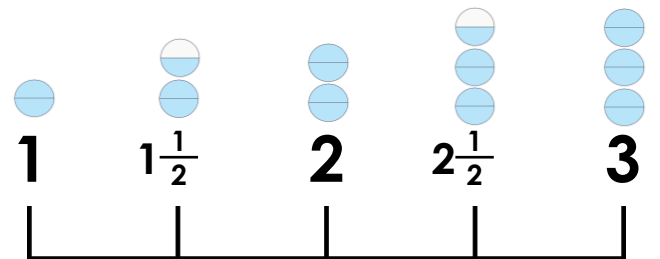
VF

4a. True or false? The fractions on this number line are correct.



VF

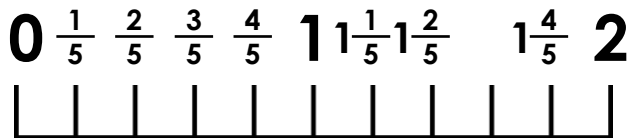
4b. True or false? The fractions on this number line are correct.



VF

Fractions on a Number Line

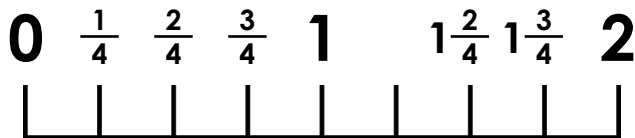
5a. What fraction is the arrow pointing to on this number line?



VF

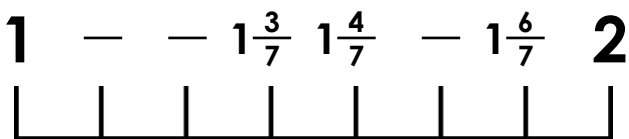
Fractions on a Number Line

5b. What fraction is the arrow pointing to on this number line?



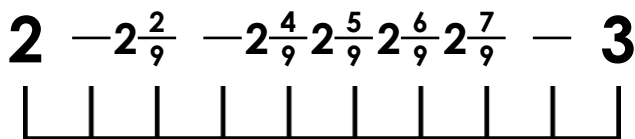
VF

6a. Write the fractions in the gaps on the number line.



VF

6b. Write the fractions in the gaps on the number line.



VF

7a. Mark $2\frac{5}{8}$ on the number line.



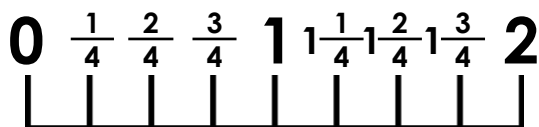
VF

7b. Mark $3\frac{4}{6}$ on the number line.



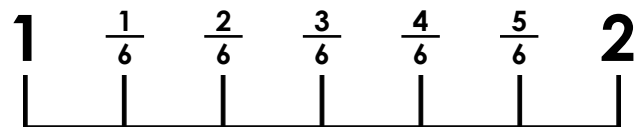
VF

8a. True or false? The fractions on this number line are correct.



VF

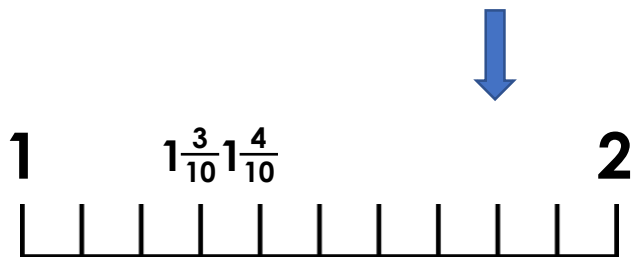
8b. True or false? The fractions on this number line are correct.



VF

Fractions on a Number Line

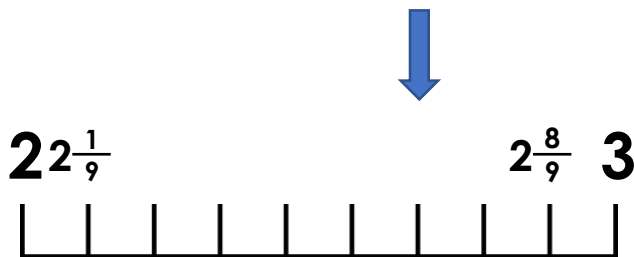
9a. What fraction is the arrow pointing to on this number line?



VF

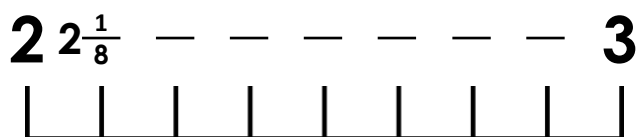
Fractions on a Number Line

9b. What fraction is the arrow pointing to on this number line?



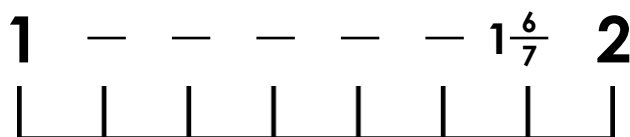
VF

10a. Write the fractions in the gaps on the number line.



VF

10b. Write the fractions in the gaps on the number line.



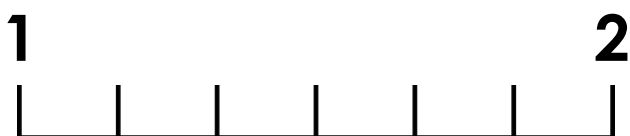
VF

11a. Mark $3\frac{2}{6}$ on the number line.



VF

11b. Mark $1\frac{1}{6}$ on the number line.



VF

12a. True or false? The fractions on this number line are correct.



VF

12b. True or false? The fractions on this number line are correct.



VF

Varied Fluency
Fractions on a Number Line

Developing

1a. $1 \frac{1}{2}$

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

3a. Children should mark the first blank increment.

4a. False, the whole numbers are missing in front of each fraction.

Expected

5a. $1 \frac{3}{5}$

6a. $1 \frac{1}{7}$, $1 \frac{2}{7}$, $1 \frac{5}{7}$

7a. Children should mark the fifth blank increment.

8a. True

Greater Depth

9a. $1 \frac{8}{10}$

10a. $2 \frac{2}{8}$, $2 \frac{3}{8}$, $2 \frac{4}{8}$, $2 \frac{5}{8}$, $2 \frac{6}{8}$, $2 \frac{7}{8}$

11a. Children should mark the second blank increment.

12a. False, the whole number in front of each fraction should be '1', not '2'.

Varied Fluency
Fractions on a Number Line

Developing

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

2b. $1 \frac{1}{4}$

3b. Children should mark the first blank increment.

4b. True

Expected

5b. $1 \frac{1}{4}$

6b. $2 \frac{1}{9}$, $2 \frac{3}{9}$, $2 \frac{8}{9}$

7b. Children should mark the fourth blank increment.

8b. False, the whole numbers are not written in front of each fraction.

Greater Depth

9b. $2 \frac{6}{9}$

10b. $1 \frac{1}{7}$, $1 \frac{2}{7}$, $1 \frac{3}{7}$, $1 \frac{4}{7}$, $1 \frac{5}{7}$

11b. Children should mark the first blank increment.

12b. False; the whole numbers are at the wrong ends of the number line.