

Varied Fluency

Step 4: Count in Tenths

National Curriculum Objectives:

Mathematics Year 3: (3F1a) [Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10](#)
Mathematics Year 3: (3F10) [Solve problems that involve 3F1 - 3F4](#)

Differentiation:

Developing Questions to support counting forwards in tenths. Pictorial support provided. Tenths less than 1 whole, written in numbers only.

Expected Questions to support counting forwards and backwards in tenths, including beyond ten tenths written as improper fractions with some examples of mixed fractions given, making links to the whole. Some pictorial support provided, fractions sometimes written in words.

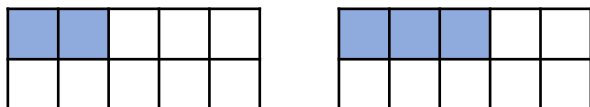
Greater Depth Questions to support counting forwards and backwards in tenths, including beyond ten tenths written as both improper and mixed fractions, making links to the whole. No pictorial support provided, fractions sometimes written in words.

More [Year 3 Fractions](#) resources.

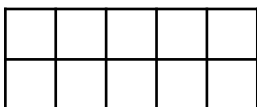
Did you like this resource? Don't forget to [review](#) it on our website.

Count in Tenths

1a. Lucie is shading tenths on a ten frame.



Draw the next tenth in the sequence.



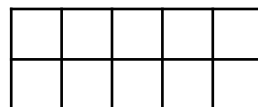
VF

Count in Tenths

1b. Oli is shading tenths on a ten frame.

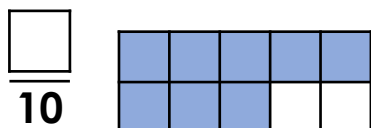


Draw the next tenth in the sequence.



VF

2a. Write the fraction shown below.

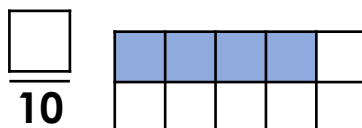


What will the next tenth be?



VF

2b. Write the fraction shown below.

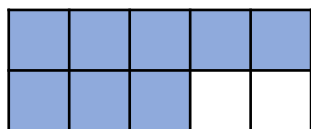
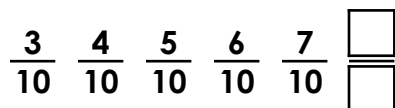


What will the next tenth be?



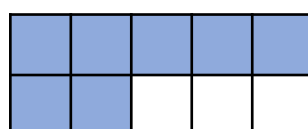
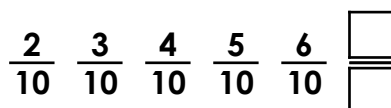
VF

3a. Count in tenths to complete the sequence.



VF

3b. Count in tenths to complete the sequence.

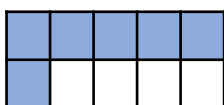


VF

4a. Albert says,



$\frac{2}{10}$ more than $\frac{4}{10}$
is $\frac{24}{10}$.



Is he correct?

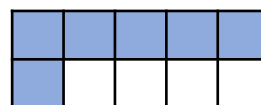


VF

4b. Elsie says,



$\frac{3}{10}$ more than $\frac{3}{10}$
is $\frac{5}{10}$.



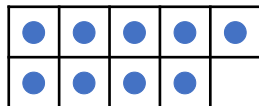
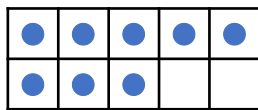
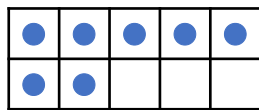
Is she correct?



VF

Count in Tenths

5a. Amy is using counters to show tenths.



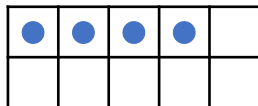
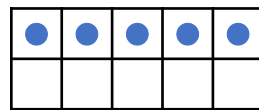
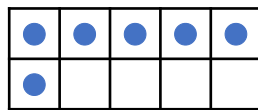
Write the next tenth in the sequence.



VF

Count in Tenths

5b. Max is using counters to show tenths.

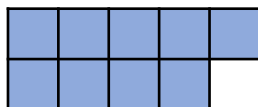


Write the next tenth in the sequence.



VF

6a. Write the fraction shown below.

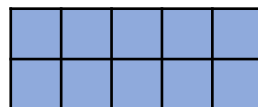


What will the next tenth be?



VF

6b. Write the fraction shown below.



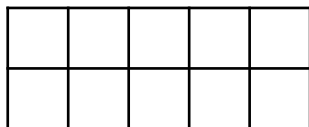
What will the next tenth be?



VF

7a. Count in tenths to complete the sequence. Use the ten frame to help you.

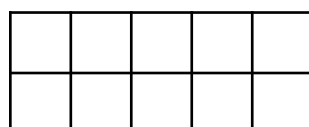
$$1\frac{2}{10} \quad 1\frac{1}{10} \quad \frac{10}{10} \quad \frac{9}{10} \quad \frac{\quad}{\quad} \quad \frac{7}{10} \quad \frac{\quad}{\quad} \quad \frac{5}{10}$$



VF

7b. Count in tenths to complete the sequence. Use the ten frame to help you.

$$\frac{1}{10} \quad \frac{2}{10} \quad \frac{\quad}{\quad} \quad \frac{4}{10} \quad \frac{5}{10} \quad \frac{6}{10} \quad \frac{\quad}{\quad} \quad \frac{8}{10}$$

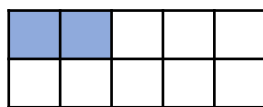
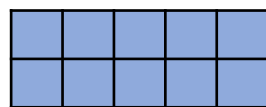


VF

8a. Jenson says,



Five tenths more than seven tenths is $\frac{11}{10}$.



Is he correct?

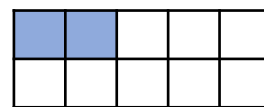
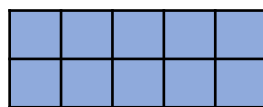


VF

8b. Eddie says,



Four tenths less than $\frac{12}{10}$ is eight tenths.



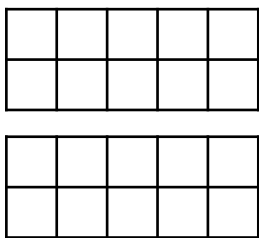
Is he correct?



VF

Count in Tenths

9a. Use the ten frames below to find the next tenth in the sequence.



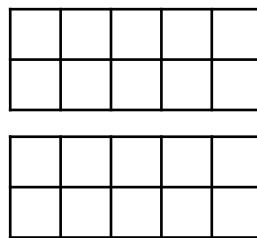
$$1\frac{8}{10} \quad 1\frac{7}{10} \quad 1\frac{6}{10} \quad 1\frac{5}{10} \quad 1\frac{\boxed{}}{10}$$



VF

Count in Tenths

9b. Use the ten frames below to find the next tenth in the sequence.



$$1\frac{2}{10} \quad 1\frac{3}{10} \quad 1\frac{4}{10} \quad 1\frac{5}{10} \quad 1\frac{\boxed{}}{10}$$



VF

10a. Look at the fraction below.

$$1\frac{2}{10}$$

What is one tenth more?

What is one tenth less?



VF

10b. Look at the fraction below.

$$2\frac{4}{10}$$

What is one tenth more?

What is one tenth less?



VF

11a. Count in tenths to complete the sequence.

$$1\frac{9}{10} \quad 1\frac{\boxed{}}{\boxed{}} \quad 1\frac{7}{10} \quad 1\frac{6}{10} \quad 1\frac{\boxed{}}{\boxed{}} \quad 1\frac{\boxed{}}{\boxed{}}$$



VF

11b. Count in tenths to complete the sequence.

$$1\frac{3}{10} \quad 1\frac{\boxed{}}{\boxed{}} \quad 1\frac{\boxed{}}{\boxed{}} \quad 1\frac{6}{10} \quad 1\frac{\boxed{}}{\boxed{}} \quad 1\frac{8}{10}$$



VF

12a. Henrietta says,



Eleven tenths more
than nine tenths
is $\frac{19}{10}$.

Is she correct?



VF

12b. Claudia says,



Five tenths more
than nine tenths
is $\frac{16}{10}$.

Is she correct?



VF

Varied Fluency Count in Tenths

Developing

- 1a. Children shade in four parts.
2a. $\frac{8}{10}$, $\frac{9}{10}$
3a. The next fraction is $\frac{8}{10}$.
4a. He is incorrect, the answer is $\frac{6}{10}$.

Expected

- 5a. The next fraction is $\frac{10}{10}$ or 1.
6a. $\frac{9}{10}$, $\frac{10}{10}$
7a. The missing fractions are $\frac{8}{10}$ and $\frac{6}{10}$.
8a. He is incorrect, it is $\frac{12}{10}$.

Greater Depth

- 9a. The next fraction is $1\frac{4}{10}$.
10a. $1\frac{3}{10}$, $1\frac{1}{10}$
11a. The missing fractions are $1\frac{8}{10}$, $1\frac{5}{10}$
and $1\frac{4}{10}$.
12a. She is incorrect, it is $\frac{20}{10}$ or 2.

Varied Fluency Count in Tenths

Developing

- 1b. Children shade in seven parts.
2b. $\frac{4}{10}$, $\frac{5}{10}$
3b. The next fraction is $\frac{7}{10}$.
4b. She is incorrect, the answer is $\frac{6}{10}$.

Expected

- 5b. The next fraction is $\frac{3}{10}$.
6b. $\frac{10}{10}$ or 1, $1\frac{1}{10}$ or $\frac{11}{10}$.
7b. The missing fractions are $\frac{3}{10}$ and $\frac{7}{10}$.
8b. He is correct.

Greater Depth

- 9b. The next fraction is $1\frac{6}{10}$.
10b. $2\frac{5}{10}$, $2\frac{3}{10}$
11b. The missing fractions are $1\frac{4}{10}$, $1\frac{5}{10}$
and $1\frac{7}{10}$.
12b. She is incorrect, it is $\frac{14}{10}$.