

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 and numbers are less than 1.

Expected Questions to support counting forwards and backwards in tenths, including counting past ten tenths and linking it to the whole. Some pictorial support provided, and fractions are sometimes written in words.

Greater Depth Questions to support counting forwards and backwards in tenths, including counting past ten tenths and linking it to the whole. No pictorial support provided, and fractions are 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 Tenth

Count in Tenth

1a. Lucie is using counters to show tenths.

●				
●				

●	●			
●				

Draw the next tenth in the sequence.

★

VF

1b. Oli is using counters to show tenths.

●	●	●		
●	●			

●	●	●		
●	●	●		

Draw the next tenth in the sequence.

★

VF

2a. Write the fraction shown below.

10

What will the next tenth be?

★

VF

2b. Write the fraction shown below.

10

What will the next tenth be?

★

VF

3a. Count in tenths to complete the sequence.

$\frac{3}{10}$

$\frac{4}{10}$

$\frac{5}{10}$

$\frac{6}{10}$

$\frac{7}{10}$

●	●	●	●	
●	●	●	●	

★

VF

3b. Count in tenths to complete the sequence.

$\frac{2}{10}$

$\frac{3}{10}$

$\frac{4}{10}$

$\frac{5}{10}$

$\frac{6}{10}$

●	●	●	●	
●	●	●		

★

VF

4a. True or false? $\frac{2}{10}$ more than $\frac{4}{10}$ is $\frac{24}{10}$.

★

VF

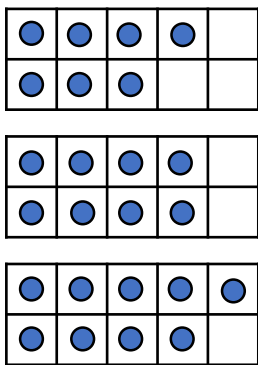
4b. True or false? $\frac{3}{10}$ more than $\frac{3}{10}$ is $\frac{5}{10}$.

★

VF

Count in Tenths

5a. Amy is using counters to show tenths.



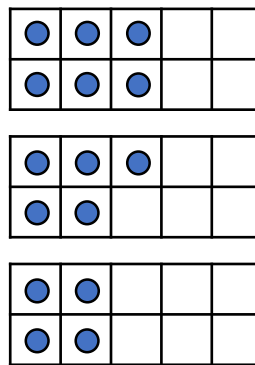
Write the next tenth in the sequence.



VF

Count in Tenths

5b. Max is using counters to show tenths.

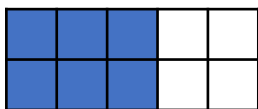


Write the next tenth in the sequence.



VF

6a. Write the fraction shown below.

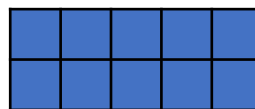


What will the next tenth be?



VF

6b. Write the fraction shown below.



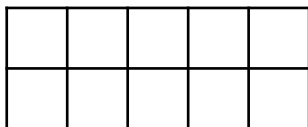
What will the next tenth be?



VF

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

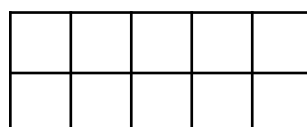
$$1\frac{2}{10} \quad 1\frac{1}{10} \quad \frac{10}{10} \quad \frac{9}{10} \quad \frac{\square}{\square} \quad \frac{7}{10} \quad \frac{\square}{\square} \quad \frac{5}{10}$$



VF

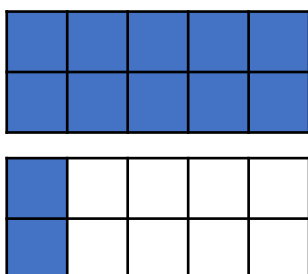
7b. Count in tenths to complete the sequence. Use the ten frame to help you.

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



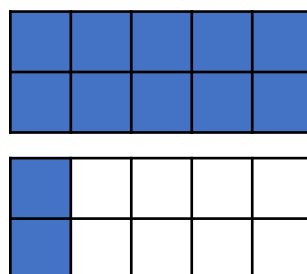
VF

8a. True or false? Five tenths more than seven tenths is $1\frac{1}{10}$.



VF

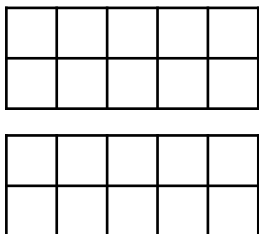
8b. True or false? Four tenths less than $1\frac{2}{10}$ is eight tenths.



VF

Count in Tenths

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



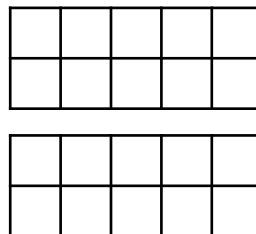
$$1\frac{8}{10} \quad 1\frac{7}{10} \quad 1\frac{6}{10} \quad 1\frac{5}{10} \quad 1\frac{\boxed{}}{10}$$



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. True or false?

Eleven tenths more than nine tenths is $1\frac{9}{10}$.



VF

12b. True or false?

Five tenths more than nine tenths is $1\frac{6}{10}$.



VF

Varied Fluency Count in Tenths

Developing

1a. Children fill in four counters.

2a. $\frac{8}{10}$, $\frac{9}{10}$

3a. The next fraction is $\frac{8}{10}$.

4a. False, it is $\frac{6}{10}$.

Expected

5a. The next fraction is $\frac{10}{10}$ or 1.

6a. $\frac{6}{10}$, $\frac{7}{10}$

7a. The missing fractions are $\frac{8}{10}$ and $\frac{6}{10}$.

8a. False, it is $1\frac{2}{10}$.

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. False, it is $1\frac{10}{10}$ or 2.

Varied Fluency Count in Tenths

Developing

1b. Children fill in seven counters.

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

3b. The next fraction is $\frac{7}{10}$.

4b. False, it is $\frac{6}{10}$.

Expected

5b. The next fraction is $\frac{3}{10}$.

6b. $\frac{10}{10}$ or 1, $1\frac{1}{10}$

7b. The missing fractions are $\frac{3}{10}$ and $\frac{7}{10}$.

8b. True

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. False, it is $1\frac{4}{10}$.