# Varied Fluency
# Step 3: 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**

## Differentiation:

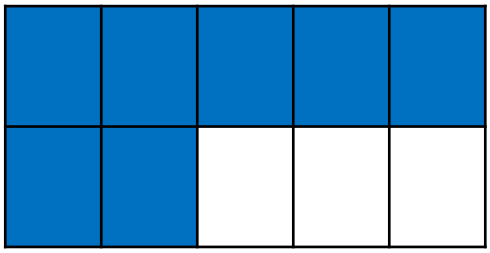
**Developing Questions to support recognising tenths. Using fractions and some words with pictorial support.**
**Expected Questions to support recognising tenths. Using fractions and words with some pictorial representations to support.**
**Greater Depth Questions to support recognising tenths. Using fractions and words. No pictorial support.**

## More Year 3 Fractions resources.

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

# Tenths

1a. How many tenths are shaded? Write the answer as a fraction.



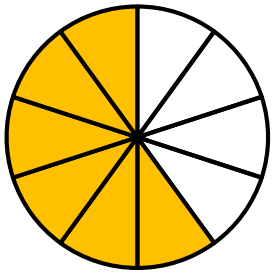
$\frac{\square}{10}$

D

VF

# Tenths

1b. How many tenths are shaded? Write the answer as a fraction.

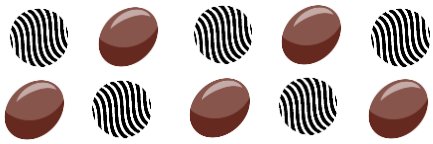


$\frac{\square}{10}$

D

VF

2a. There are ten sweets in a packet. Five of them are striped.



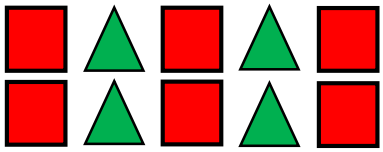
$\frac{\square}{10}$

Write this number as a fraction.

D

VF

2b. There are ten shapes in a box. Four of them are triangles.



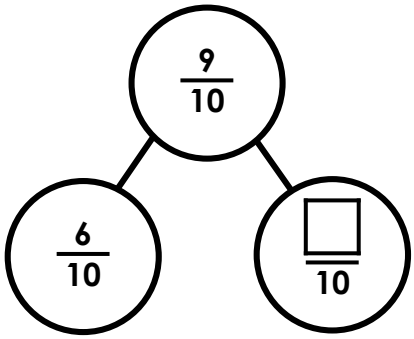
$\frac{\square}{10}$

Write this number as a fraction.

D

VF

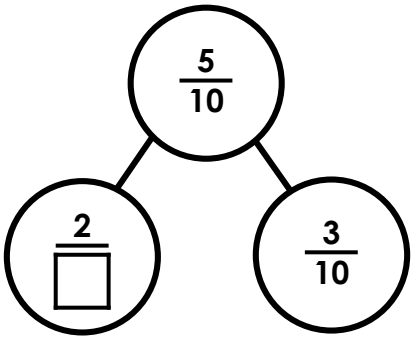
3a. Complete the part whole model.




D

VF

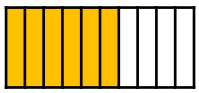
3b. Complete the part whole model.



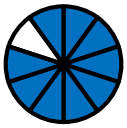

D

VF

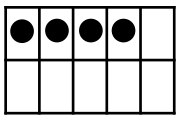
4a. Match the images to the fractions.

A. 

$\frac{4}{10}$

B. 

$\frac{6}{10}$

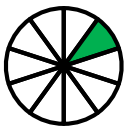
C. 

$\frac{9}{10}$

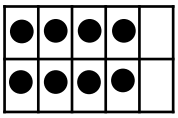
D

VF

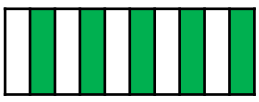
4b. Match the images to the fractions.

A. 

$\frac{5}{10}$

B. 

$\frac{8}{10}$

C. 

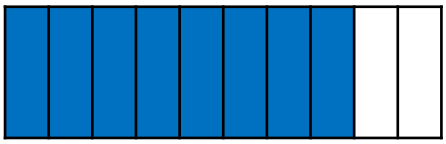
$\frac{1}{10}$

D

VF

# Tenths

5a. How many tenths are shaded? Write the answer as a fraction and as words.

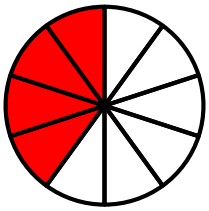


$\frac{\square}{\square}$ _____ tenths

E VF

# Tenths

5b. How many tenths are shaded? Write the answer as a fraction and as words.



$\frac{\square}{\square}$ _____ tenths

E VF

6a. There are ten children in a team.

Six of them are girls.

Write this number as a fraction.

$\frac{\square}{\square}$

E VF

6b. There are ten apples in a packet.

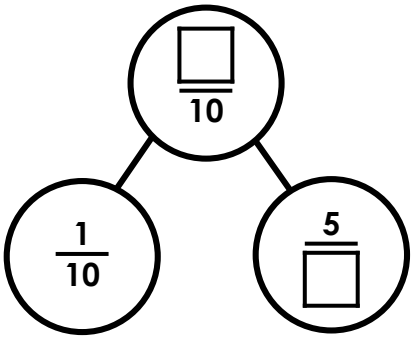
Nine of them are red.

Write this number as a fraction.

$\frac{\square}{\square}$

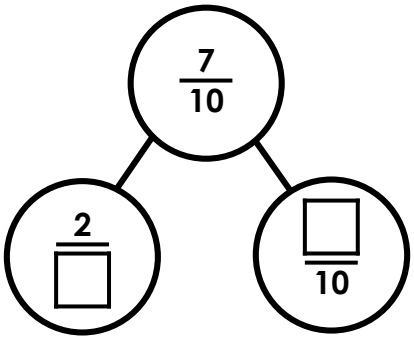
E VF

7a. Complete the part whole model.



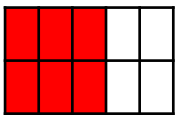

E VF

7b. Complete the part whole model.




E VF

8a. Match the fractions below.

A. 

$\frac{7}{10}$

B. Two tenths

$\frac{6}{10}$

C. 

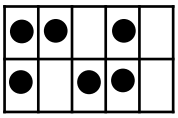
$\frac{2}{10}$

E VF

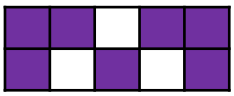
8b. Match the fractions below.

A. Eight tenths

$\frac{7}{10}$

B. 

$\frac{8}{10}$

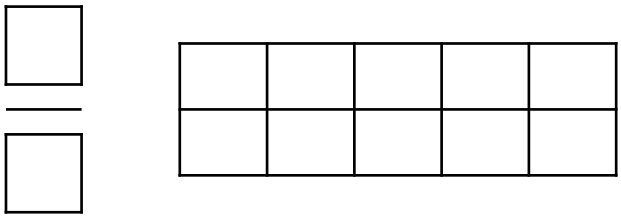
C. 

$\frac{6}{10}$

E VF

## Tenths

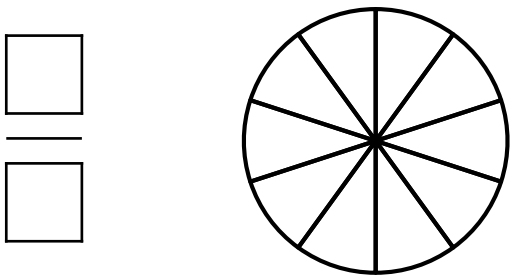
9a. Shade the correct number of parts and write the fraction to show three tenths.



GD VF

## Tenths

9b. Shade the correct number of parts and write the fraction to show five tenths.



GD VF

10a. There are 10 pets in a pen.

Some are dogs and some are cats.

$\frac{2}{10}$ of them are cats.

What fraction are dogs?

GD VF

10b. There are 10 pencils in a pot.

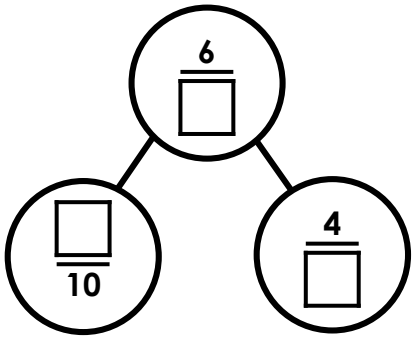
Some are red and some are blue.

$\frac{4}{10}$ of them are red.

What fraction are blue?

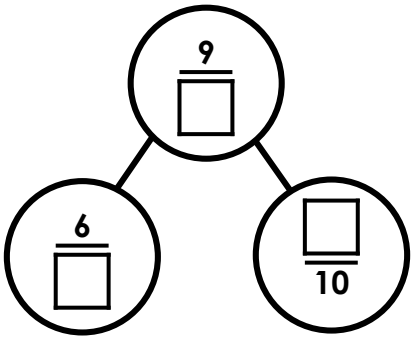
GD VF

11a. Complete the part whole model.




GD VF

11b. Complete the part whole model.




GD VF

12a. Match the words to the fractions.

A. Ten tenths $\frac{7}{10}$

B. Seven tenths $\frac{3}{10}$

C. Three tenths $\frac{10}{10}$

GD VF

12b. Match the words to the fractions.

A. Six tenths $\frac{2}{10}$

B. Two tenths $\frac{4}{10}$

C. Four tenths $\frac{6}{10}$

GD VF

# Varied Fluency
# Tenths

## Developing

1a. $\frac{7}{10}$

2a. $\frac{5}{10}$

3a. 3

4a. A. $\frac{6}{10}$ B. $\frac{9}{10}$ C. $\frac{4}{10}$

## Expected

5a. $\frac{8}{10}$ and eight tenths.

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

7a. 6, 10

8a. A. $\frac{6}{10}$ B. $\frac{2}{10}$ C. $\frac{7}{10}$

## Greater Depth

9a. $\frac{3}{10}$ and three parts shaded.

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

11a. 10, 2, 10

12a. A. $\frac{10}{10}$ B. $\frac{7}{10}$ C. $\frac{3}{10}$


# Varied Fluency
# Tenths


## Developing

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

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

3b. 10

4b. A. $\frac{1}{10}$ B. $\frac{8}{10}$ C. $\frac{5}{10}$

## Expected

5b. $\frac{4}{10}$ and four tenths.

6b. $\frac{9}{10}$

7b. 10, 5

8b. A. $\frac{8}{10}$ B. $\frac{6}{10}$ C. $\frac{7}{10}$

## Greater Depth

9b. $\frac{5}{10}$ and five parts shaded.

10b. $\frac{6}{10}$

11b. 10, 10, 3

12b. A. $\frac{6}{10}$ B. $\frac{2}{10}$ C. $\frac{4}{10}$