27/4/20

# L.I: To recognise and write decimal equivalents of any number of tenths or hundreds

**Write the shaded common fraction and its equivalent decimal fraction:**

a

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 |

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

b

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 |

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

c

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 | $\frac{1}{10}$ 0.1 |

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

**Shade the fraction strips to match the common fraction or decimal fraction:**

a 0.8

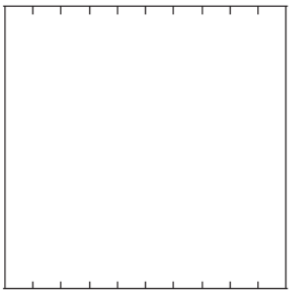
b $\frac{5}{10}$

c 0.4

d 0.9

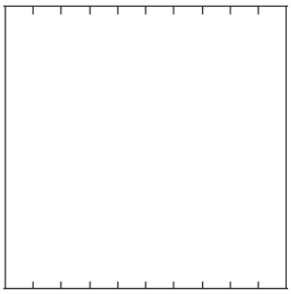
**Use a ruler and a pencil to divide the wholes into tenths. Shade the given amounts and express as decimals:**

a



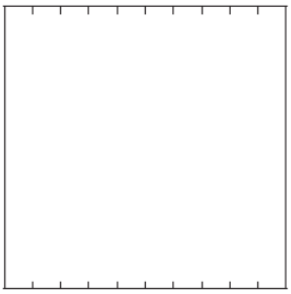
$\frac{4}{10}$ $\square$ . $\square$

b



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

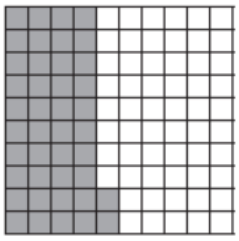
c



$\frac{5}{10}$ $\square$ . $\square$

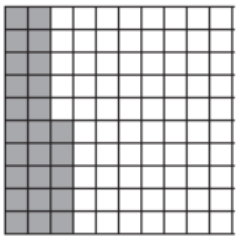
**Complete the missing information:**

**a**



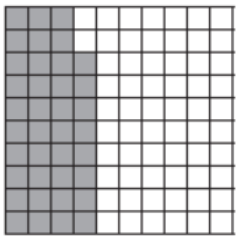
$\frac{42}{100} = \frac{4}{10} + \frac{2}{100} =$ ____.____

**b**



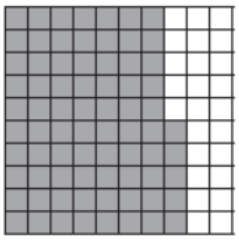
$\frac{\square}{100} = \frac{\square}{10} + \frac{\square}{100} =$ ____.____

**c**



$\frac{\square}{100} = \frac{\square}{10} + \frac{\square}{100} =$ ____.____

**d**



$\frac{\square}{100} = \frac{\square}{10} + \frac{\square}{100} =$ ____.____

**Knowing how to rename is a useful skill when adding decimal fractions. Practise your renaming skills here by colour coding the matching boxes:**

10 tenths

18 tenths

68 hundredths

1 tenth and 4 hundredths

4 units, 1 tenth and 4 hundredths

23 tenths

414 hundredths

7 units and 6 tenths

1 unit

6 tenths and 8 hundredths

2 units and 3 tenths

76 tenths

14 hundredths

1 unit and 8 tenths

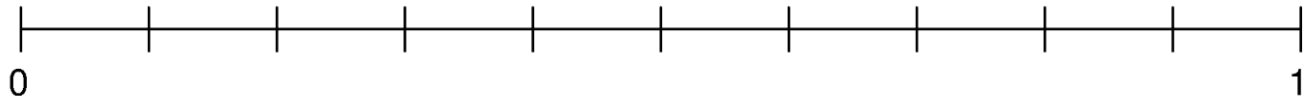
$\frac{2}{10}$ $\frac{30}{100}$ $\frac{10}{100}$

$\frac{50}{100}$ $\frac{2}{5}$ $\frac{3}{10}$

$\frac{1}{5}$

$\frac{1}{10}$ $\frac{4}{10}$ $\frac{1}{2}$

Place the fractions on a number line:



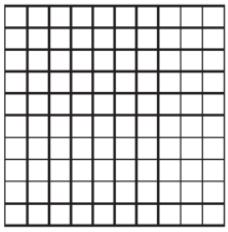

**Express these common fractions as hundredths and as decimals:**

**a** $\frac{1}{2} = \frac{\square}{100} =$ 0.$\square$ **b** $\frac{4}{5} = \frac{\square}{100} =$ 0.$\square$ **c** $\frac{4}{10} = \frac{\square}{100} =$ 0.$\square$

**d** $\frac{3}{4} = \frac{\square}{100} =$ 0.$\square$ **e** $\frac{2}{4} = \frac{\square}{100} =$ 0.$\square$ **f** $\frac{5}{10} = \frac{\square}{100} =$ 0.$\square$

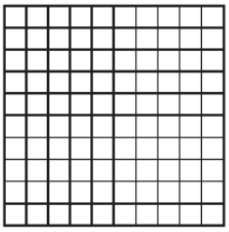
**Shade the fractions on the grid and show them as hundredths and decimals:**

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



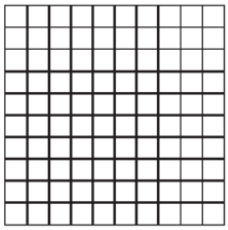
$= \frac{\square}{100} = 0.\square$

**b** $\frac{1}{4}$



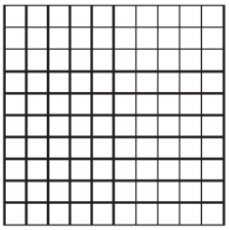
$= \frac{\square}{100} = 0.\square$

**c** $\frac{1}{5}$



$= \frac{\square}{100} = 0.\square$

**d** $\frac{1}{10}$



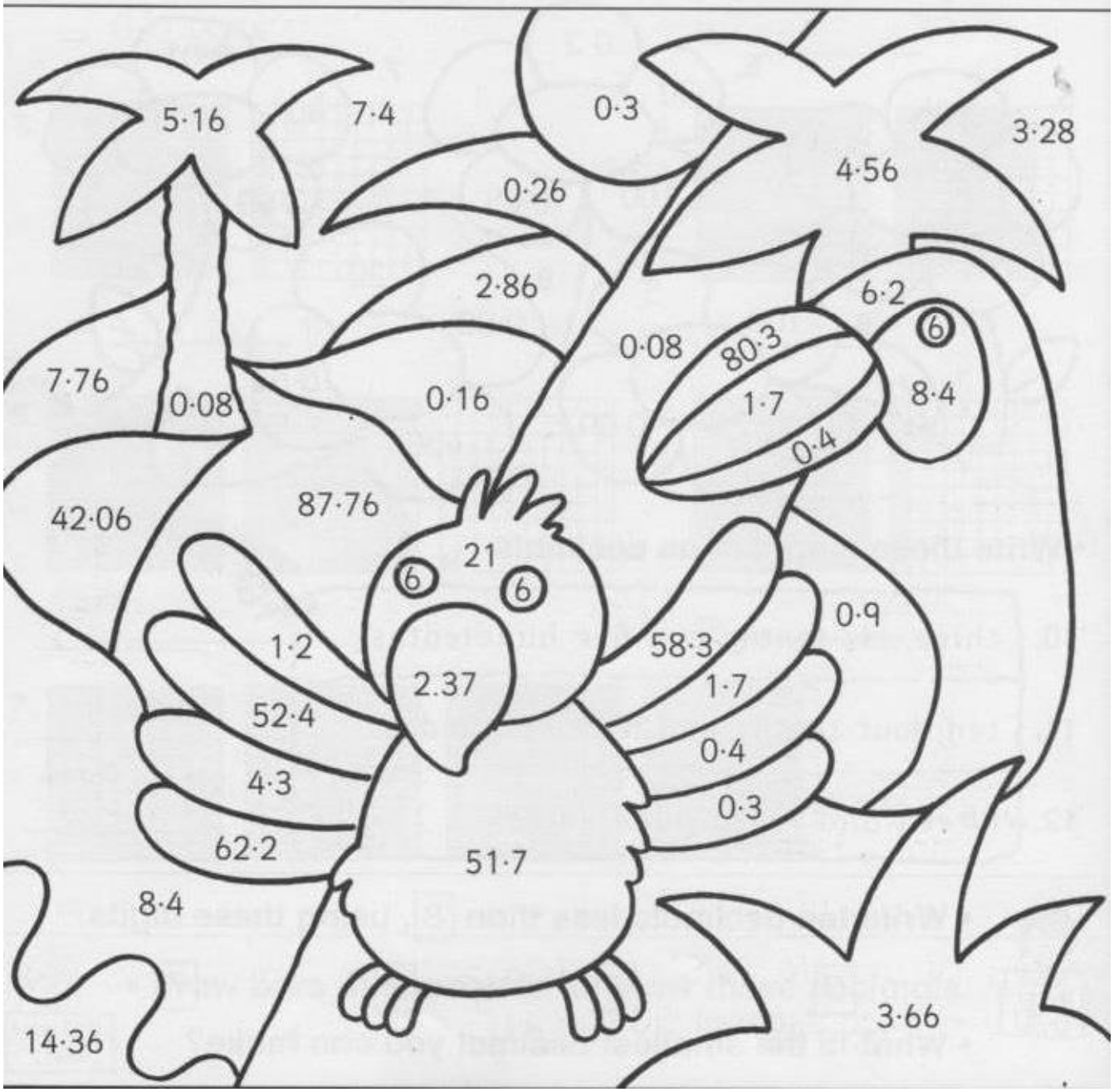
$= \frac{\square}{100} = 0.\square$

- **Use the key to colour the picture. Use a different colour for each decimal fraction.**

**Example:** 7·4 has four tenths, so colour it blue.

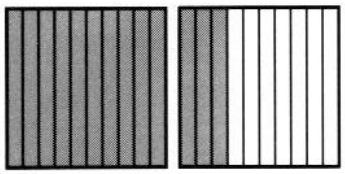
| three tenths | yellow |
|---|---|
| one unit | red |
| six hundredths | green |
| four tenths | blue |

| eight hundredths | brown |
|---|---|
| six units | black |
| nine tenths | white |
| five tens | orange |

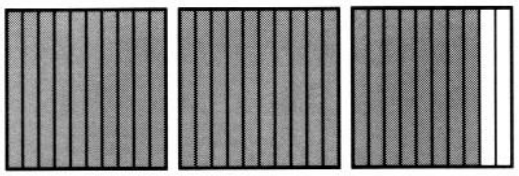


# Decimal numbers

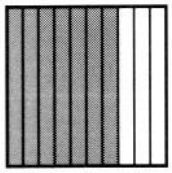
Write each shaded part as a fraction and a decimal.

1. 

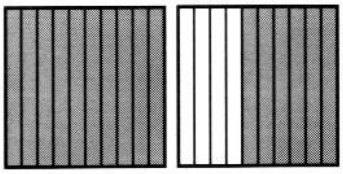
1·3 and $1\frac{3}{10}$

2. 

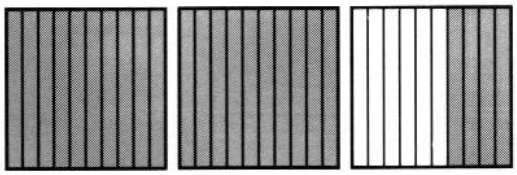
and

3. 

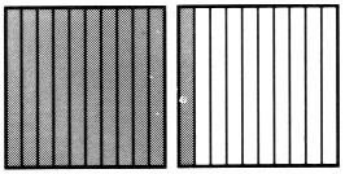
and

4. 

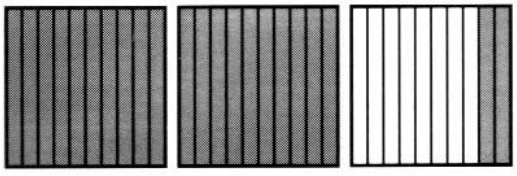
and

5. 

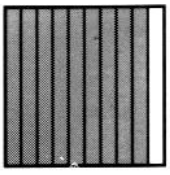
and

6. 

and

7. 

and

8. 

and

# Decimal numbers

Roll a dice and, if possible, write the matching number in a box.

Continue until all six are complete.


$3\frac{15}{100} = \square \cdot \square\square$ $2\frac{31}{100} = \square \cdot \square\square$

$6\frac{41}{100} = \square \cdot \square\square$ $1\frac{26}{100} = \square \cdot \square\square$

$5\frac{52}{100} = \square \cdot \square\square$ $4\frac{23}{100} = \square \cdot \square\square$

Roll a dice 18 times and make up your own decimal numbers.

Write each as a fraction.