

25/6/20 - Maths

Skill: Recognising decimal equivalents for tenths and hundredths

Recognise and write decimal equivalents of any number of tenths of hundredths

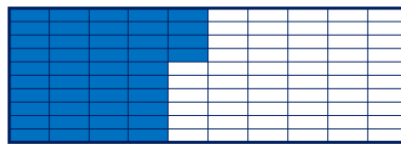
The diagram illustrates the relationship between fractions, decimals, and pictorial representations. On the left, a vertical bar divided into 10 equal sections has the bottom 3 sections shaded, representing $\frac{3}{10}$ and the decimal 0.3. This is labeled 'Tenths (pictorial)'. In the center, a number line from 0 to 1 is marked in increments of 0.1, with boxes highlighting the 0.2 and 0.5 marks. On the right, a 10x10 grid has the bottom 9 rows shaded, representing $\frac{9}{100}$ and the decimal 0.09. This is labeled 'Hundredths (pictorial)'.

$\frac{4}{10}$ (denominator is tenths) = 0.4 (tenths column)

$\frac{4}{100}$ (denominator is hundredths) = 0.04 (hundredths column)

A vertical bar divided into 10 equal horizontal sections. The top 4 sections are shaded brown, representing $\frac{4}{10}$.

$\frac{4}{10}$ (4 parts are shaded out of 10 sections)
= 0.4 (0.4 out of 1 whole is shaded)



$\frac{44}{100}$ (44 parts are shaded out of 100)
= 0.44 (0.44 out of 1 whole)

You try:

1. Shade in the correct amount and write the decimal equivalent

a) $\frac{6}{10} =$ _____

b) $\frac{70}{100} =$ _____

c) $\frac{23}{100}$

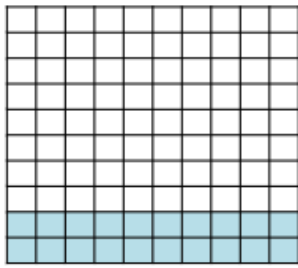
A vertical bar divided into 10 equal horizontal sections, intended for shading and writing the decimal equivalent for $\frac{6}{10}$.

A 10x10 grid, intended for shading and writing the decimal equivalent for $\frac{70}{100}$.

A 10x10 grid, intended for shading and writing the decimal equivalent for $\frac{23}{100}$.

2.

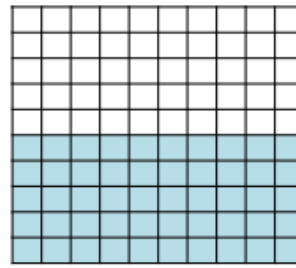
7. Which of the following statements are correct?



- 20 tenths is equivalent to 2 hundredths.
- 2 hundredths is equivalent to 2 tenths.
- 2 tenths is equivalent to 20 hundredths.

3.

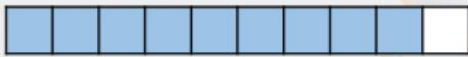
8. Which of the following statements are correct?



- 5 hundredths is equivalent to 50 tenths.
- 50 hundredths is equivalent to 50 tenths.
- 50 hundredths is equivalent to 5 tenths.

4.

Circle the fraction and decimal which match the picture.



- 0.9
 $\frac{9}{100}$
 0.09
 $\frac{90}{100}$

5. 0.5 is the same as 0.05.
Is it right? Prove it by drawing it.

6. Match up the equivalent decimal and fraction and represent it pictorially:

0.3	0.24	0.4	$\frac{90}{100}$
$\frac{51}{100}$	0.9	0.65	$\frac{3}{10}$
$\frac{2}{100}$	0.51	0.7	0.02
$\frac{4}{10}$	$\frac{65}{100}$	$\frac{7}{10}$	$\frac{24}{100}$

E.G $0.3 = \frac{3}{10}$

