

25.03.21

pre teach

Percentage is out of 100

$$1\% \text{ (percent)} = 1 \div 100 = 0.01$$

$$10\% \text{ (percent)} = 10 \div 100 = 0.1$$

$$25\% \text{ (percent)} = 25 \div 100 = 0.25$$

$$50\% \text{ (percent)} = 50 \div 100 = 0.50$$

$$100\% \text{ (percent)} = 100 \div 100 = 1$$

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L.O: To write % as decimals

On your whiteboards

$$\begin{array}{r} 725 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 973 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 344 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 226 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 575 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 897 \\ \times 4 \\ \hline \end{array}$$

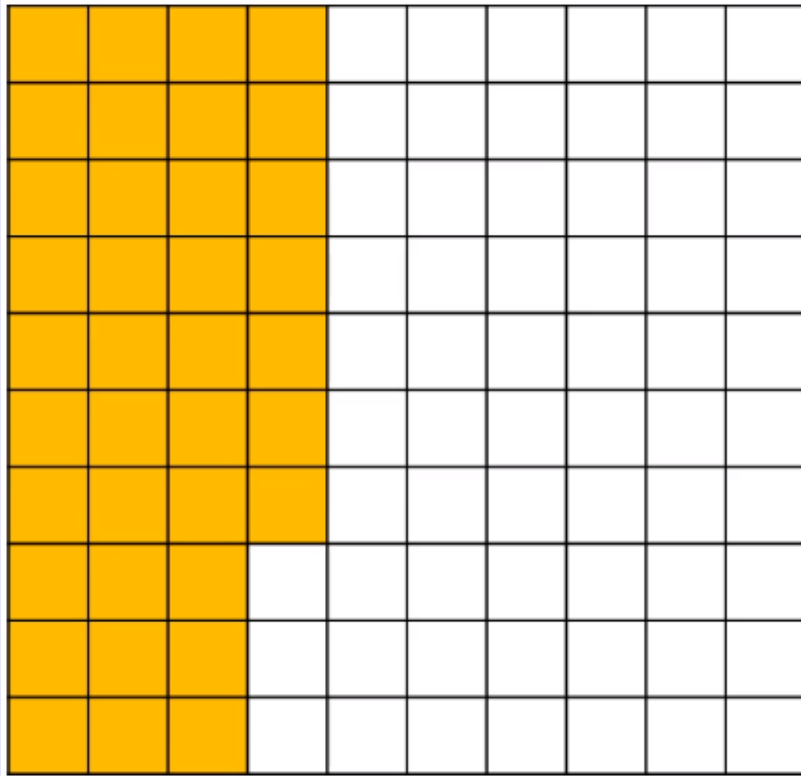
$$\begin{array}{r} 919 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 843 \\ \times 5 \\ \hline \end{array}$$

What is Percentage?

Percentage means 'out of one hundred'. So, the morpheme 'per' means 'out of' and 'cent' means 'one hundred'.

What fraction of the 100 square
is shaded



I do

There are 37 parts
out of 100 are
shaded.

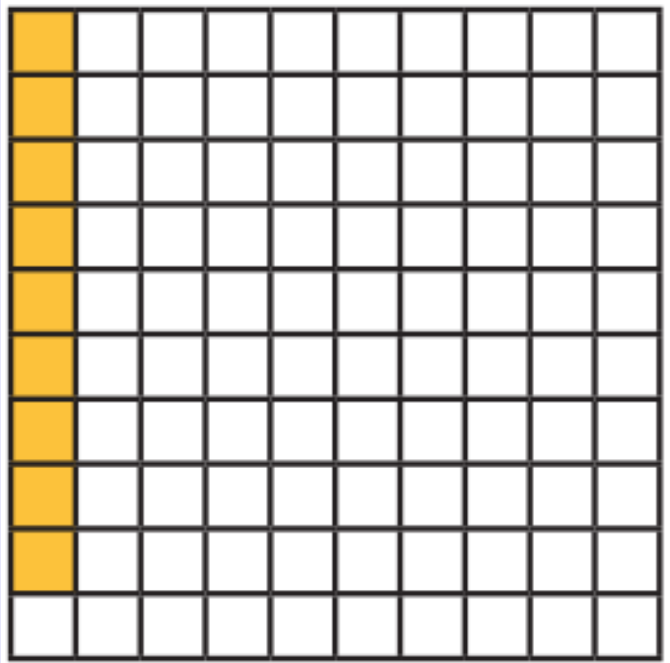
$$\frac{37}{100} = 0.37$$

This is also 37%

$$\text{So, } 37\% = \frac{37}{100} = 0.37$$

What fraction of the 100 square
is shaded

We do



There are parts out of
100 are shaded.

This is also %

As a decimal it will be

So,

Convert this % to decimal number

We do

$$5\% = \square$$

Convert this decimal number to %

$$1.65 = \square$$

You Do

Question 1: Convert each of the following percentages to decimals

(a) 53%

(b) 19%

(c) 25%

(d) 74%

Question 2: Convert each of the following percentages to decimals

(a) 162%

(b) 190%

(c) 115%

(d) 144%

Question 3: Arrange in order from largest to smallest.

(a) 21%, 0.25, 16%, 0.2, 3%

(b) 64%, 0.05, 100%, 0.99, 1.25, 3%

Question 1: Convert each of the following percentages to decimals

- (a) 53% (b) 19% (c) 25% (d) 74%
(e) 65% (f) 50% (g) 70% (h) 10%

- (a) 0.53 (b) 0.19 (c) 0.25 (d) 0.74
(e) 0.65 (f) 0.5 (g) 0.7 (h) 0.1

Question 2: Convert each of the following percentages to decimals

- (a) 162% (b) 190% (c) 115% (d) 144%
(e) 150% (f) 212% (g) 285% (h) 538%

- (a) 1.62 (b) 1.9 (c) 1.15 (d) 1.44
(e) 1.5 (f) 2.12 (g) 2.85 (h) 5.38

Question 3: Arrange in order from largest to smallest.

- (a) 21%, 0.25, 16%, 0.2, 3% (a) 3%, 16%, 0.2, 21%, 0.25
(b) 64%, 0.05, 100%, 0.99, 1.25, 3% (b) 3%, 0.05, 64%, 0.99, 100%, 1.25

You Do

