

26.03.21
pre teach

FRACTIONS, DECIMALS & PERCENTS											
1.00			1 whole						100%		
0.5			$\frac{1}{2}$			50%			0.5		
			$\frac{1}{2}$			50%					
0.33			$\frac{1}{3}$			33.3%			0.33		
			$\frac{1}{3}$			33.3%			0.33		
			$\frac{1}{3}$			33.3%					
0.25			$\frac{1}{4}$			25%			0.25		
			$\frac{1}{4}$			25%			0.25		
			$\frac{1}{4}$			25%					
0.20			$\frac{1}{5}$			20%			0.20		
			$\frac{1}{5}$			20%			0.20		
			$\frac{1}{5}$			20%					
0.16			$\frac{1}{6}$			16.6%			0.16		
			$\frac{1}{6}$			16.6%			0.16		
			$\frac{1}{6}$			16.6%					
$\frac{1}{8}$			$\frac{1}{8}$			$\frac{1}{8}$			$\frac{1}{8}$		
0.125			12.5%			0.125			0.125		
			12.5%			0.125			0.125		
			12.5%			0.125					
$\frac{1}{10}$			$\frac{1}{10}$			$\frac{1}{10}$			$\frac{1}{10}$		
0.1			10%			0.1			0.1		
			10%			0.1					
$\frac{1}{12}$			$\frac{1}{12}$			$\frac{1}{12}$			$\frac{1}{12}$		
0.083			8.3%			0.083			0.083		
			8.3%			0.083			0.083		
			8.3%								

26.03.21

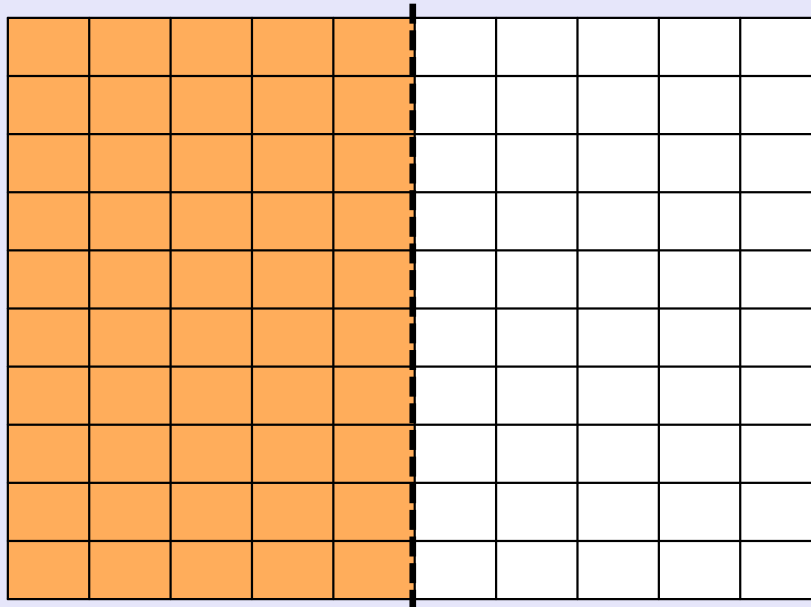
L.O: To know fraction, percentage and decimal equivalence

On your whiteboard

1. $\begin{array}{r} 3\ 0\ 4\ 0\ 8 \\ +\ 9\ 5\ 3\ 4\ 5 \\ \hline \square\square\square\square\square\square \end{array}$	2. $\begin{array}{r} 7\ 2\ 8\ 9\ 3 \\ +\ 3\ 4\ 6\ 7 \\ \hline \square\square\square\square\square\square \end{array}$	3. $\begin{array}{r} 8\ 1\ 9\ 0\ 1 \\ +\ 6\ 2\ 1\ 8\ 9 \\ \hline \square\square\square\square\square\square \end{array}$
6. $\begin{array}{r} 4\ 1\ 6\ 6\ 8 \\ +\ 6\ 4\ 3\ 3\ 7 \\ \hline \square\square\square\square\square\square \end{array}$	7. $\begin{array}{r} 6\ 4\ 1\ 2\ 9 \\ +\ 7\ 6\ 3\ 8\ 0 \\ \hline \square\square\square\square\square\square \end{array}$	8. $\begin{array}{r} 9\ 6\ 9\ 8\ 3 \\ +\ 8\ 6\ 9\ 0\ 3 \\ \hline \square\square\square\square\square\square \end{array}$
11. $\begin{array}{r} 4\ 2\ 1\ 6\ 6 \\ +\ 5\ 5\ 1\ 9\ 3 \\ \hline \square\square\square\square\square\square \end{array}$	12. $\begin{array}{r} 4\ 3\ 1\ 6\ 2 \\ +\ 6\ 5\ 5\ 7\ 4 \\ \hline \square\square\square\square\square\square \end{array}$	13. $\begin{array}{r} 6\ 6\ 3\ 2\ 5 \\ +\ 5\ 8\ 5\ 8\ 0 \\ \hline \square\square\square\square\square\square \end{array}$

What portion of 100 square is shaded?

I do



$$\frac{50}{100} = 0.5 \text{ or } 0.50$$

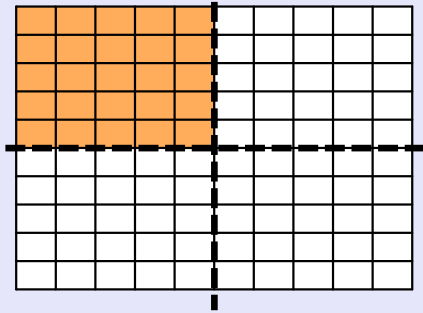
$$\frac{50}{100} = \frac{1}{2}$$

$$= 50\%$$

$$\text{so, } 0.5 = \frac{1}{2} = 50\%$$

What portion of 100 square is shaded?

I do

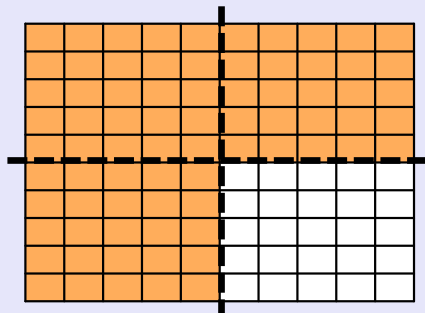


$$\frac{25}{100} = 0.25$$

$$\frac{25}{100} = \frac{1}{4}$$

$$\frac{25}{100} = 25\%$$

$$0.25 = \frac{1}{4} = 25\%$$



$$\frac{75}{100} = 0.75$$

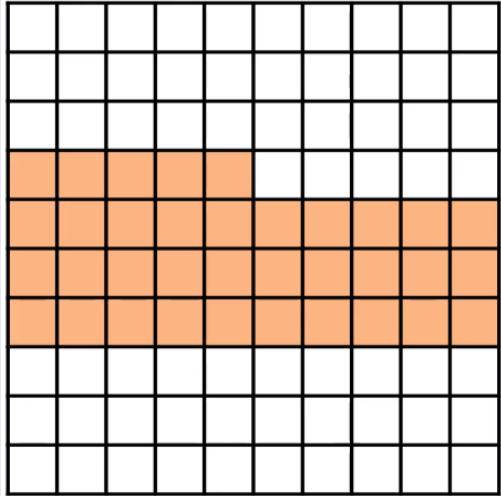
$$\frac{75}{100} = \frac{3}{4}$$

$$\frac{75}{100} = 75\%$$

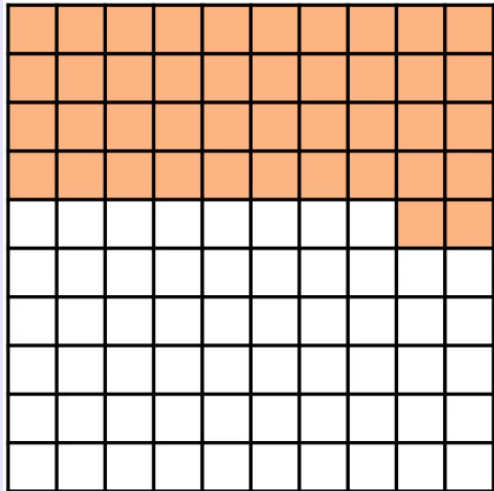
$$0.75 = \frac{3}{4} = 75\%$$

What portion of 100 square is shaded?

We do



$$\frac{35}{100} = 0.35 = 35\%$$



$$\frac{42}{100} = 0.42 = 42\%$$

You Do

Complete the fraction, decimal and percentage equivalents.

a) $32\% = \frac{\boxed{}}{100} = \boxed{}$

$35\% = \frac{\boxed{}}{100} = \boxed{}$

$48\% = \frac{\boxed{}}{100} = \boxed{}$

b) $\frac{17}{100} = \boxed{}\% = \boxed{}$

$\frac{9}{100} = \boxed{}\% = \boxed{}$

$\frac{90}{100} = \boxed{}\% = \boxed{}$

c) $0.29 = \boxed{}\% = \frac{\boxed{}}{100}$

$0.71 = \boxed{}\% = \frac{\boxed{}}{100}$

$0.03 = \boxed{}\% = \frac{\boxed{}}{100}$

Write the values in order from smallest to greatest.

a) 33% $\frac{30}{100}$ 3% $\frac{13}{100}$

b) 299% $\frac{91}{100}$ 9% $\frac{9}{10}$

c) 2.5 $\frac{25}{100}$ 250 $25\% \text{ of } 100$ $\frac{25}{1000}$

Hundred square	Percentage	Fraction	Decimal
A	52%	$\frac{52}{100}$	0.52
B	24%	$\frac{24}{100}$	0.24
C	88%	$\frac{88}{100}$	0.88
D	100%	$\frac{100}{100}$	1

You Do

a) 3% $\frac{13}{100}$ $\frac{30}{100}$ 33%

b) 9% $\frac{9}{10}$ $\frac{91}{100}$ 299%

c) $\frac{25}{1000}$ $\frac{25}{100}$ 2.5 25% of 100 250

a) $32\% = \frac{32}{100} = 0.32$

$35\% = \frac{35}{100} = 0.35$

$48\% = \frac{48}{100} = 0.48$

b) $\frac{17}{100} = \frac{17}{100} = 0.17$

$\frac{9}{100} = \frac{9}{100} = 0.09$

$\frac{90}{100} = \frac{90}{100} = 0.9$

c) $0.29 = \frac{29}{100} = \frac{29}{100}$

$0.71 = \frac{71}{100} = \frac{71}{100}$

$0.03 = \frac{3}{100} = \frac{3}{100}$

Some common equivalent fractions,
decimals and percentage are:

I do

FRACTIONS, DECIMALS & PERCENTS											
1.00			1 whole						100%		
0.5		$\frac{1}{2}$			50%		0.5		$\frac{1}{2}$		
0.33		$\frac{1}{3}$			33.3%		0.33		$\frac{1}{3}$		
0.33		$\frac{1}{3}$			33.3%		0.33		$\frac{1}{3}$		
0.25		$\frac{1}{4}$			25%		0.25		$\frac{1}{4}$		
0.25		$\frac{1}{4}$			25%		0.25		$\frac{1}{4}$		
0.20		$\frac{1}{5}$			20%		0.20		$\frac{1}{5}$		
0.20		$\frac{1}{5}$			20%		0.20		$\frac{1}{5}$		
0.16		$\frac{1}{6}$			16.6%		0.16		$\frac{1}{6}$		
0.16		$\frac{1}{6}$			16.6%		0.16		$\frac{1}{6}$		
0.125		$\frac{1}{8}$			12.5%		0.125		$\frac{1}{8}$		
0.125		$\frac{1}{8}$			12.5%		0.125		$\frac{1}{8}$		
0.1		$\frac{1}{10}$			10%		0.1		$\frac{1}{10}$		
0.1		$\frac{1}{10}$			10%		0.1		$\frac{1}{10}$		
0.083		$\frac{1}{12}$			8.3%		0.083		$\frac{1}{12}$		
0.083		$\frac{1}{12}$			8.3%		0.083		$\frac{1}{12}$		

