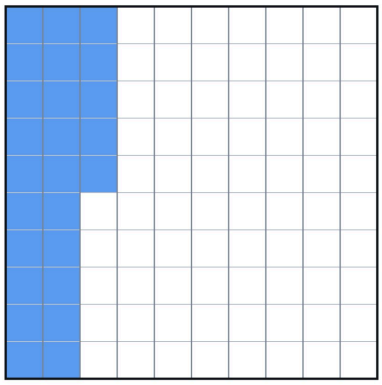
Name _____ Date _____

Decimals, Fractions and Percentages

Example

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

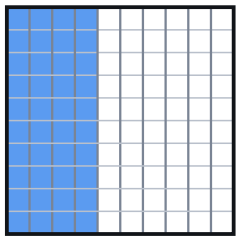


0.25

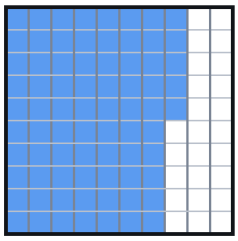
25 of 100 squares are coloured. We can write the same part in three ways. **Per cent** means "out of a hundred": 25% is 25 hundredths.

$$0.25 = \frac{25}{100} = \frac{1}{4} = 25\%$$

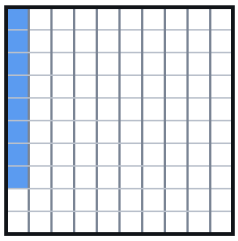
1 ON YOUR OWN Write the coloured part in three ways.



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



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



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

2 ON YOUR OWN Complete the table.

Decimal	Fraction out of 100	Percentage
0.3		
	$\frac{35}{100}$	
		60%
0.07		
		100%

Names (pair) _____ Date _____

Remember

A percentage is hundredths: $0.35 = \frac{35}{100} = 35\%$. Remember these: $\frac{1}{2} = 0.5 = 50\%$, $\frac{1}{4} = 0.25 = 25\%$, $\frac{3}{4} = 0.75 = 75\%$, $\frac{1}{5} = 0.2 = 20\%$, $\frac{1}{10} = 0.1 = 10\%$.

3 ON YOUR OWN Circle every form equal to the first number.

0.5 → $\frac{1}{2}$ 5% 50% $\frac{5}{10}$ 0.05

0.2 → 2% $\frac{1}{5}$ 20% $\frac{2}{10}$ $\frac{1}{2}$

0.75 → $\frac{3}{4}$ 75% 7.5% $\frac{75}{100}$ $\frac{7}{5}$

4 IN PAIRS Who is right? Explain.

Mia: $0.6 = 6\%$. **true** / **false**

Why? _____

Leo: $\frac{1}{4} = 0.4$. **true** / **false**

Why? _____

5 ON YOUR OWN Order from smallest to largest.

0.4 $\frac{1}{4}$ 45% $\frac{3}{10}$ → ☐ < ☐ < ☐ < ☐

6 ON YOUR OWN Ivan got 18 out of 20 questions right. Write his result as a fraction, a decimal and a percentage.

_____

The Decimal Grid app · otooly.com/decimal-grid

In **Show** mode turn on **Fraction** and **Percentage**, type a number and check your answers.

★ ON YOUR OWN **Exit card.** Write 0.8 as a fraction and as a percentage.

_____