# Week 8, Day 1 <br> Introduction to percentages 

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the PowerPoint presentation with a teacher or another grown-up.

OR start by carefully reading through the Learning Reminders.

2. Tackle the questions on the Practice Sheet.

There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

## Learning Reminders

## Introduction to percentages.

Where have you seen this
symbol?

What does it stand for? | Per cent means per 100, |
| :---: |
| or out of 100. |

Each small square is one hundredth of the whole square. 1 out of a 100 is the same as 1 percent. We write this as $1 \%$.

$$
1 / 100=1 \%
$$

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## Learning Reminders

## Introduction to percentages.



10 small squares are shaded this time. That is equivalent to $10 \%$ of the whole square.

The symbol ' $\equiv$ ' means 'equivalent to'.
$10 /{ }_{100} \equiv 1 /{ }_{10} \equiv 10 \% \equiv 0.1$

That's a lot of different ways to write the same amount!

## Learning Reminders

## Introduction to percentages.



50 small squares are shaded. That is equivalent to $50 \%$ of the whole square.
$50 \% \equiv 50 / 100 \equiv 5 / 10 \equiv 1 / 2 \equiv 0.5$


75 small squares are shaded. That is equivalent to $75 \%$ of the whole square.
$75 \% \equiv 75 / 100 \equiv 3 / 4 \equiv 0.75$

## Practice Sheet Mild <br> Percentages

Write the percentage of each square that is shaded.
e.g. $20 \%$



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## Practice Sheet Hot Percentages

Write the percentage of each square that is shaded, and an equivalent fraction and decimal, e.g. $20 \%=0.2=\frac{1}{5}$




