Week 8, Day 3

Use equivalent fractions to find percentages.

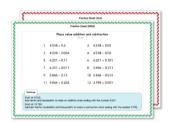
Each day covers one maths topic. It should take you about 1 hour or just a little more.

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

We can use the Whiteh is bigger, \$\frac{1}{2}\text{ or \$\frac{1}{2}\text{ of } \frac{1}{2}\text{ on the bigger, \$\frac{1}{2}\text{ or \$\frac{1}{2}\text{ o

OR start by carefully reading through the **Learning Reminders**.

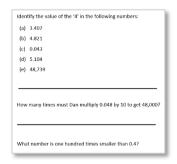
Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.



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**...
- 5. Have I mastered the topic? A few questions to Check your understanding.
 Fold the page to hide the answers!



Learning Reminders

Use equivalent fractions to find percentages.

Unit fractions always have a numerator of 1, e.g. $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{10}$.

Remember we can find unit fractions of a number by dividing by the denominator (bottom number) of the fraction.

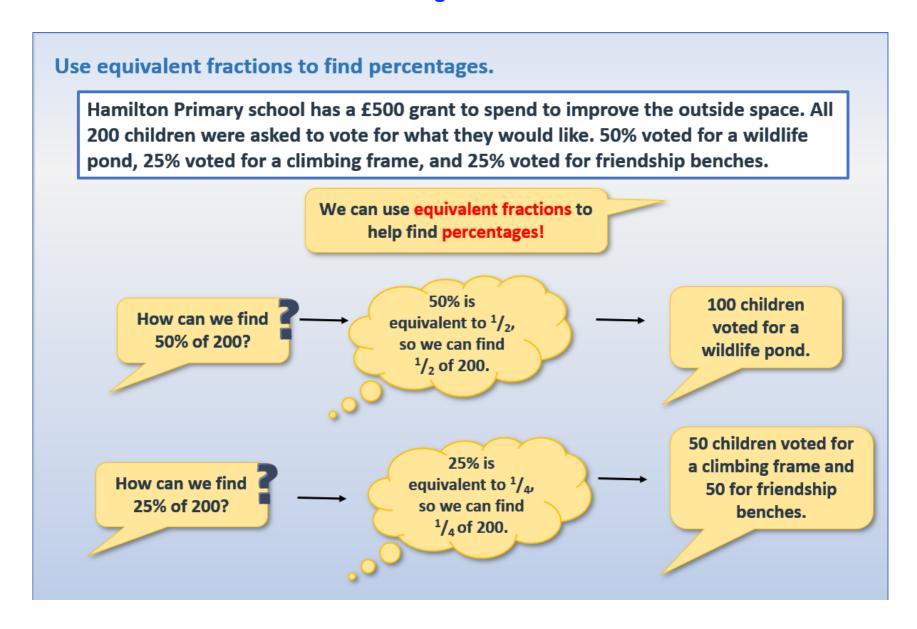
To find $\frac{1}{4}$ of 80 divide 80 by 4. $\frac{1}{4}$ of 80 = 20.

Non-unit fractions always have a numerator (top number) of more than 1, e.g. $\frac{3}{4}$, $\frac{2}{5}$, $\frac{7}{10}$.

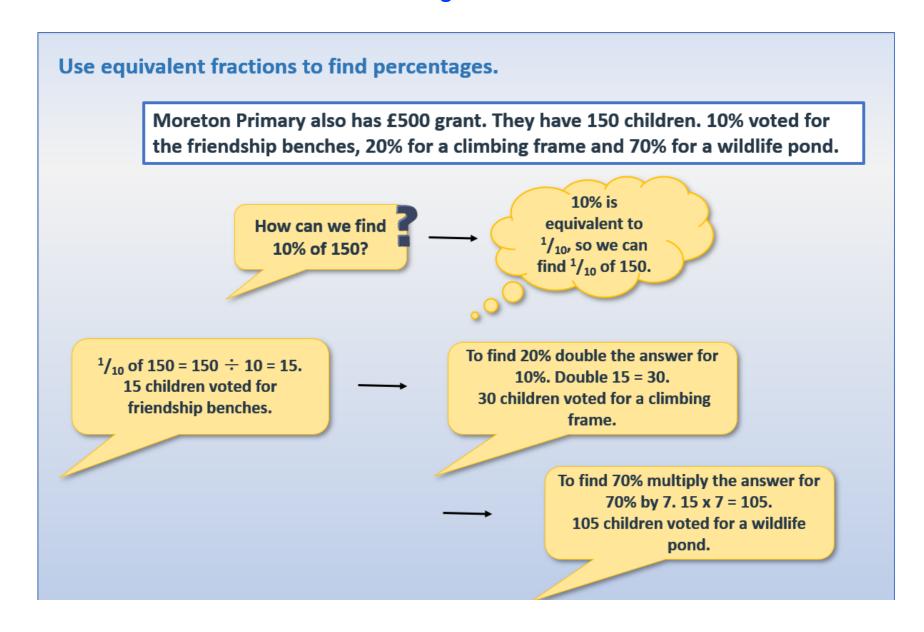
Remember we can find non-unit fractions of a number by dividing by the denominator, then multiplying by the numerator of the fraction.

To find $\frac{2}{5}$ of 30 divide 30 by 5 then multiply by 2. $\frac{1}{5}$ of 30 = 6, $\frac{2}{5}$ of 30 = 12.

Learning Reminders



Learning Reminders



Practice Sheet Mild

Comparing percentages

The following new woodlands have been planted:

Burley Common

100 trees 50% oak, 20% ash, 15% beech, 15% willow

Merttens Meadow

300 trees 20% oak, 20% hazel, 40% willow, 20% beech

Chidgey Common

200 trees 40% oak, 30% beech, 10% ash, 20% sweet chestnut

Holes Hollow

200 trees 25% oak, 10% hazel, 20% willow, 15% beech, 30% ash

Calculate how many trees of each type there are in each of the four woodlands.

Practice Sheet Hot Comparing percentages

The following new woodlands have been planted:

Burley Common

100 trees 50% oak, 20% ash, 15% beech, 15% willow

Merttens Meadow

150 trees 20% oak, 20% hazel, 40% willow, 20% beech

Chidgey Common

200 trees 40% oak, 30% beech, 10% ash, 20% sweet chestnut

Holes Hollow

120 trees

25% oak, 10% hazel, 15% willow, 30% beech, 20% ash

Calculate how many trees of each type there are in each of the four woodlands.

Challenge

In Weston Wood, there are 280 trees, as follows:

14 holly

126 lime

84 beech

56 silver birch.

What percentages do these numbers represent?