# Week 10, Day 4 <br> Find unit fractions of amounts 

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

1. Start by reading through the Learning Reminders. They come from our PowerPoint slides.

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

Revise finding unit fractions of quantities using division facts.


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Revise finding unit fractions of quantities using division facts.


## Practice Sheet Mild <br> Finding unit fractions

Solve the following using cubes or counters to help check your answers:

1. $\frac{1}{2}$ of 8
2. $\frac{1}{3}$ of 9
3. $\frac{1}{3}$ of 15
4. $\frac{1}{4}$ of 20
5. $\frac{1}{2}$ of 18
6. $\frac{1}{3}$ of 18
7. $\frac{1}{5}$ of 15
8. $\frac{1}{2}$ of 14
9. $\frac{1}{3}$ of 21
10. $\frac{1}{5}$ of 25

## Practice Sheet Hot <br> Finding unit fractions

Solve the following:

1. $\frac{1}{2}$ of 24
2. $\frac{1}{10}$ of 40
3. $\frac{1}{4}$ of 24
4. $\frac{1}{3}$ of 18
5. $\frac{1}{8}$ of 24
6. $\frac{1}{5}$ of 25
7. $\frac{1}{2}$ of 40
8. $\frac{1}{4}$ of 28
9. $\frac{1}{4}$ of 40
10. $\frac{1}{2}$ of 22
11. $\frac{1}{5}$ of 40
12. $\frac{1}{3}$ of 27

## Challenge

1. $\frac{1}{2}$ of 80
2. $\frac{1}{4}$ of 80
3. $\frac{1}{8}$ of 80
4. $\frac{1}{10}$ of 80

## Practice Sheet Answers

## Practice Sheet (Mild)

1. $1 / 2$ of 8 is 4
2. $1 / 3$ of 9 is 3
3. $1 / 3$ of 15 is 5
4. $1 / 4$ of 20 is 5
5. $1 / 2$ of 18 is 9
6. $1 / 3$ of 18 is 6
7. $1 / 5$ of 15 is 3
8. $1 / 2$ of 14 is 7
9. $1 / 3$ of 21 is 7
10. $1 / 5$ of 25 is 5

Practice Sheet (Hot)

1. $1 / 2$ of 24 is 12
2. $1 / 4$ of 24 is 6
3. $1 / 8$ of 24 is 3
4. $1 / 2$ of 40 is 20
5. $1 / 4$ of 40 is 10
6. $1 / 5$ of 40 is 8
7. $1 / 10$ of 40 is 4
8. $1 / 3$ of 18 is 6
9. $1 / 5$ of 25 is 5
10. $1 / 4$ of 28 is 7
11. $1 / 2$ of 22 is 11
12. $1 / 3$ of 27 is 9

## Decorate the cake

## Work in pairs

Things you will need:

- Cake outlines
- Counters (e.g. Smarties)
- Recording sheet
- Coloured pencils


## What to do:



- Choose a number.
- Split this number of Smarties (counters) between the four quarters of the big cake divided into quarters.
- Draw the Smarties on a blank cake divided into quarters on the recording sheet.
- Repeat twice more.

- Choose a number.
- Split this number of counters between the thirds of the big cake divided into three equal parts.
- Draw the Smarties on a blank cake divided into thirds on the recording sheet.
- Repeat at least twice more with different numbers.

$$
\begin{aligned}
& \text { S-t-r-e-t-c-h: } \\
& \frac{1}{2} \text { of } 8 \text { is } \square \\
& \frac{1}{2} \text { of } 16 \text { is } \square
\end{aligned}
$$

## Learning outcomes:

- I understand that halves and quarters are equal parts of a whole.
- I can find $\frac{1}{2}$ and $\frac{1}{4}$ of numbers (whole number answers).
- I am beginning to understand that I can halve twice to find $\frac{1}{4}$.



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