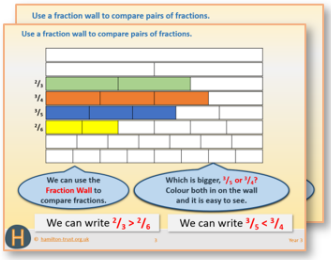
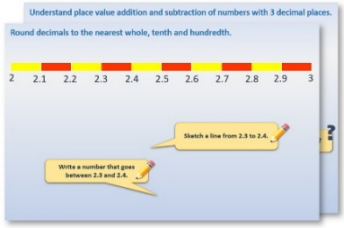
Week 10, Day 2
Find fractions of amounts (1)

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

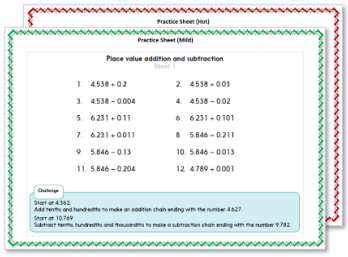
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



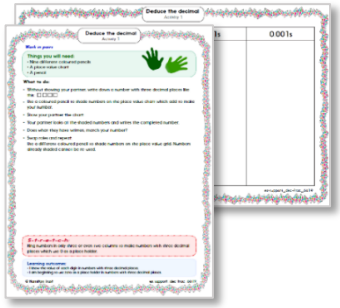
   OR start by carefully reading through the **Learning Reminders**.



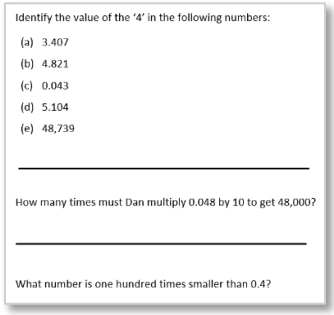
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



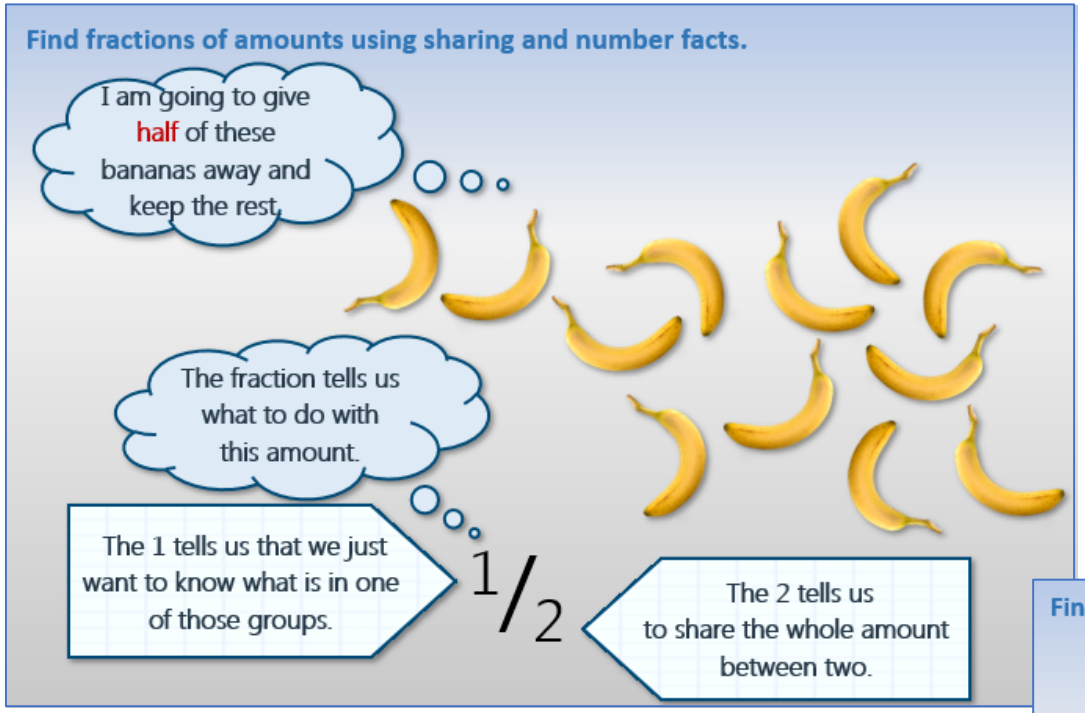
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**

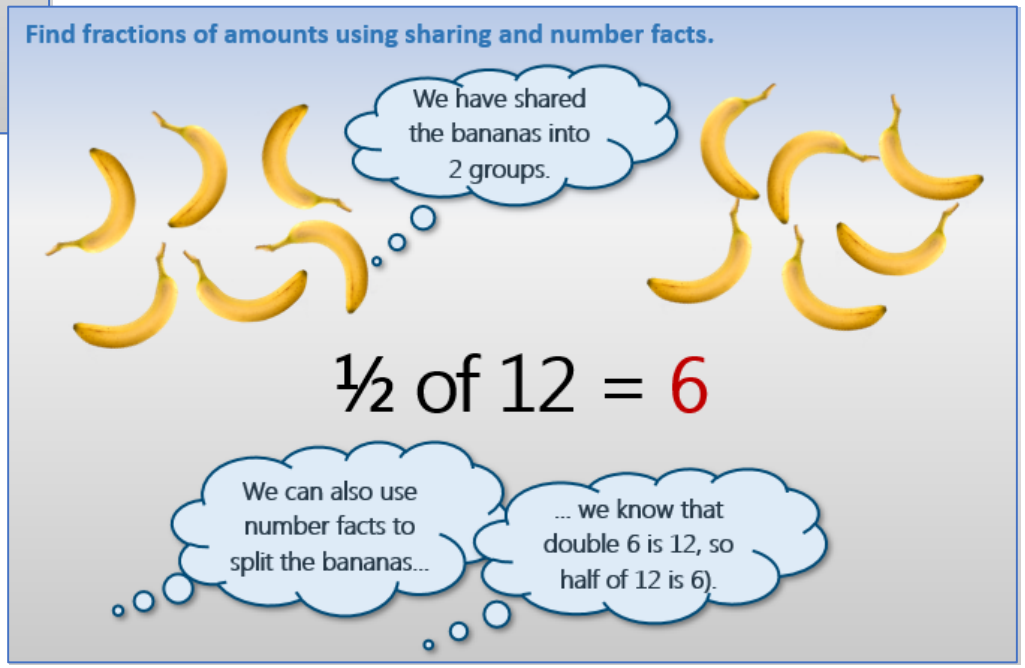


4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!



Learning Reminders





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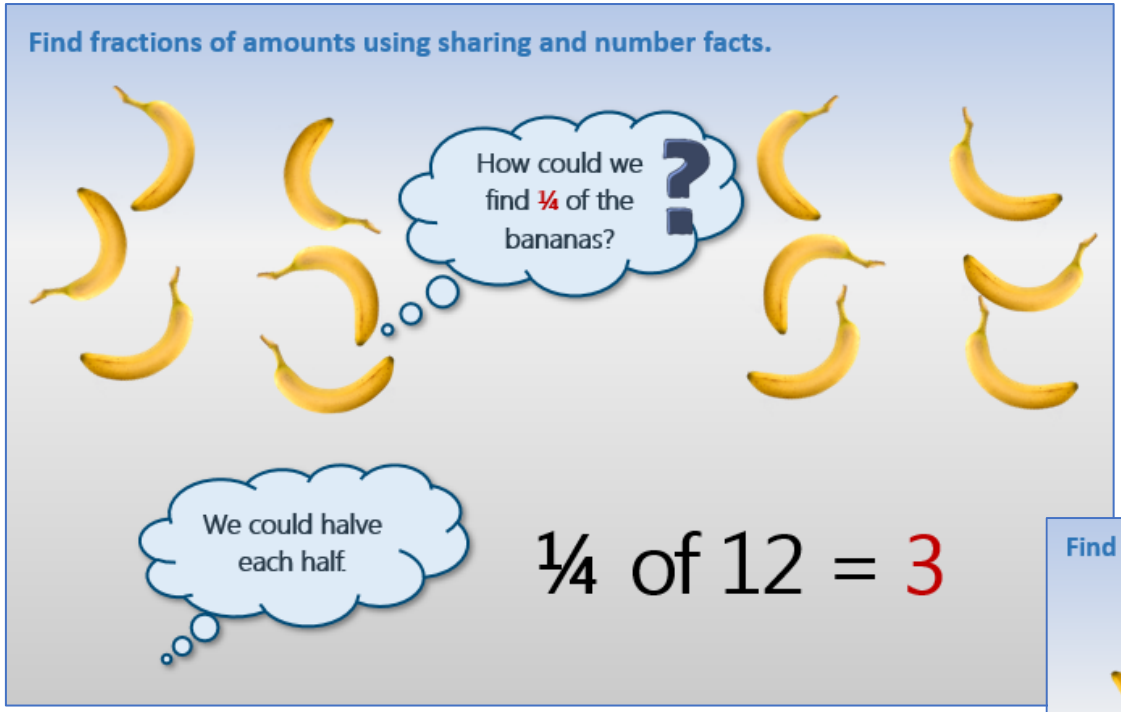
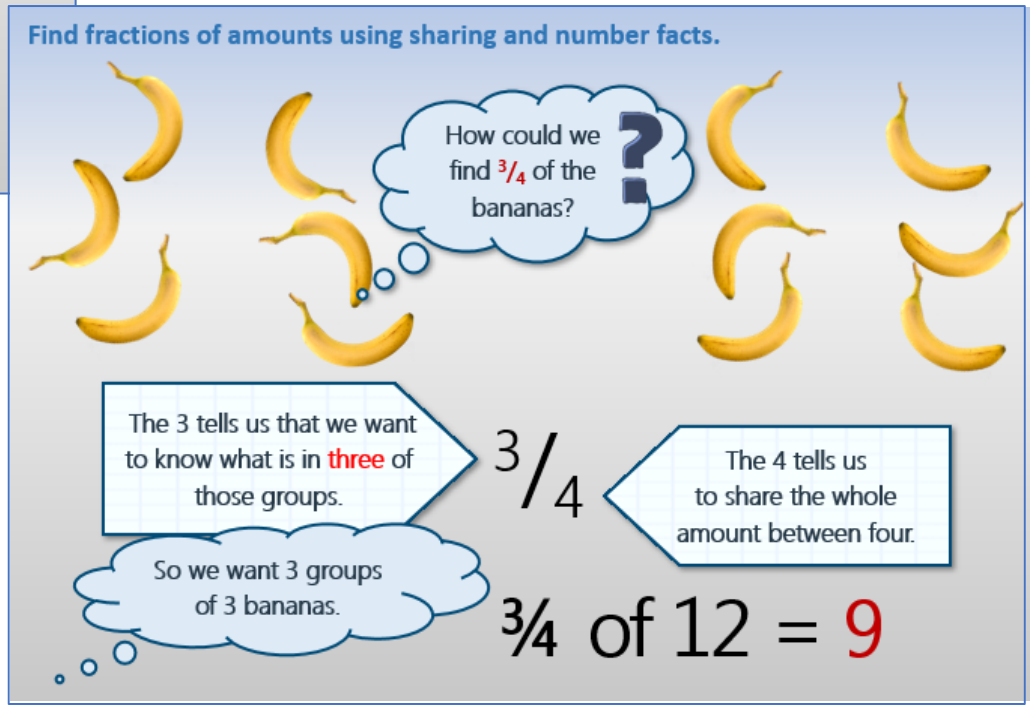
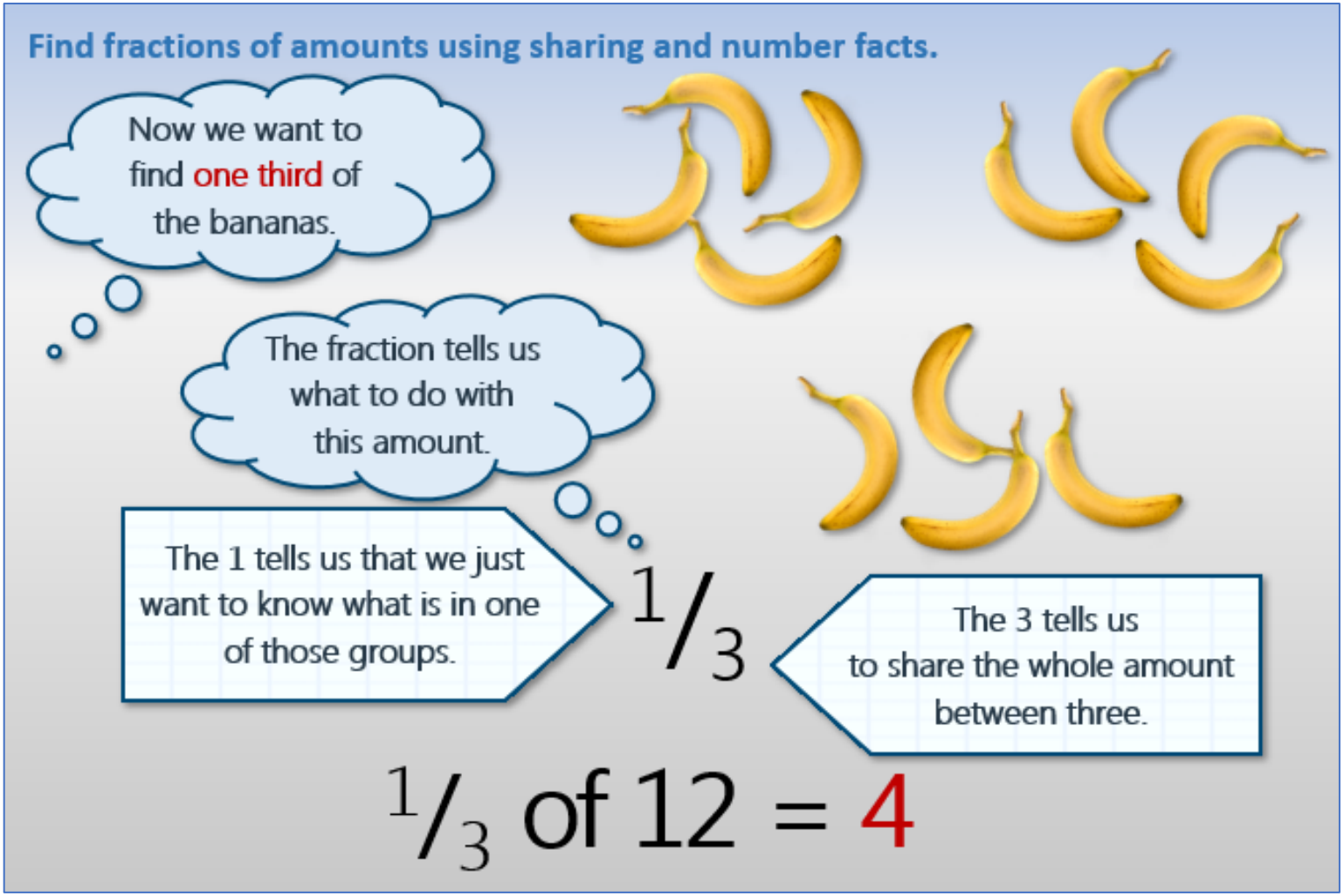




Learning Reminders



Practice Sheet Mild

How many? Finding fractions of amounts

$\frac{1}{2}$ of 20 $\frac{1}{3}$ of 12 $\frac{1}{4}$ of 24 $\frac{1}{2}$ of 60 $\frac{1}{4}$ of 8 $\frac{1}{2}$ of 18 $\frac{1}{3}$ of 15 $\frac{1}{2}$ of 30 $\frac{1}{2}$ of 1

$\frac{1}{4}$ of 4 $\frac{1}{3}$ of 9 $\frac{1}{4}$ of 16

$\frac{1}{2}$ of 36 $\frac{1}{3}$ of 18 $\frac{3}{4}$ of 24 $\frac{1}{2}$ of 42 $\frac{1}{4}$ of 48 $\frac{3}{4}$ of 16

Practice Sheet Hot

How many? Finding fractions of amounts

$\frac{1}{3}$ of 21 $\frac{1}{2}$ of 24 $\frac{1}{2}$ of 22 $\frac{1}{4}$ of 32 $\frac{1}{3}$ of 33 $\frac{3}{4}$ of 44

$\frac{1}{2}$ of 34 $\frac{1}{3}$ of 15 $\frac{3}{4}$ of 4 $\frac{1}{2}$ of 38 $\frac{1}{4}$ of 10 $\frac{3}{4}$ of 28 $\frac{1}{3}$ of 30 $\frac{1}{2}$ of 26 $\frac{3}{4}$ of 36

$\frac{1}{4}$ of 52 $\frac{1}{3}$ of 39 $\frac{4}{4}$ of 40

Practice Sheet Answers

Practice Sheet (Mild)

$\frac{1}{2}$ of 20 is 10 | $\frac{1}{3}$ of 12 is 4 | $\frac{1}{4}$ of 24 is 6 | $\frac{1}{2}$ of 60 is 30

$\frac{1}{4}$ of 8 is 2 | $\frac{1}{2}$ of 18 is 9 | $\frac{1}{3}$ of 15 is 5 | $\frac{1}{2}$ of 30 is 15

$\frac{1}{2}$ of 1 is $\frac{1}{2}$ | $\frac{1}{4}$ of 32 is 8 | $\frac{1}{3}$ of 9 is 3 | $\frac{1}{4}$ of 16 is 4

$\frac{1}{2}$ of 36 is 18 | $\frac{1}{3}$ of 4 is 1 | $\frac{3}{4}$ of 24 is 18 | $\frac{1}{2}$ of 42 is 21

$\frac{1}{4}$ of 48 is 12 | $\frac{3}{4}$ of 16 is 12

Practice Sheet (Hot)

$\frac{1}{3}$ of 21 is 7 | $\frac{1}{2}$ of 24 is 12

$\frac{1}{2}$ of 22 is 11 | $\frac{1}{4}$ of 32 is 8 | $\frac{1}{3}$ of 33 is 11 | $\frac{3}{4}$ of 44 is 33

$\frac{1}{2}$ of 34 is 17 | $\frac{1}{3}$ of 15 is 5 | $\frac{3}{4}$ of 4 is 3 | $\frac{1}{2}$ of 38 is 19

$\frac{1}{4}$ of 10 is $2\frac{1}{2}$ | $\frac{3}{4}$ of 28 is 21 | $\frac{1}{3}$ of 30 is 10 | $\frac{1}{2}$ of 26 is 13

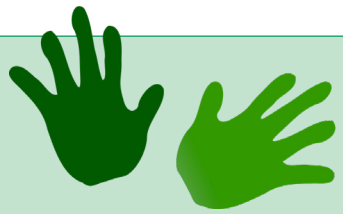
$\frac{3}{4}$ of 36 is 27 | $\frac{1}{4}$ of 52 is 13 | $\frac{1}{3}$ of 39 is 13 | $\frac{4}{4}$ of 40 is 40

A Bit Stuck?
Decorate the cake

Work in pairs

Things you will need:

- Cake outlines
- Counters
- Recording sheet
- Coloured pencils



What to do:

4 6 8 10 12 14

- Choose a number.
- Split this number of Smarties® (counters) between two $\frac{1}{2}$s of the big cake divided in $\frac{1}{2}$.
- Draw the Smarties® on a blank cake divided in $\frac{1}{2}$ on the recording sheet.
- Repeat twice more.

4 8 12 16 20

- Choose a number.
- Split this number of Smarties® (counters) between the four $\frac{1}{4}$s of the big cake divided into $\frac{1}{4}$s.
- Draw the Smarties® on a blank cake divided into $\frac{1}{4}$s on the recording sheet.
- Repeat twice more.

S-t-r-e-t-c-h:

$\frac{1}{2}$ of 8 is ☐ $\frac{1}{4}$ of 8 is ☐

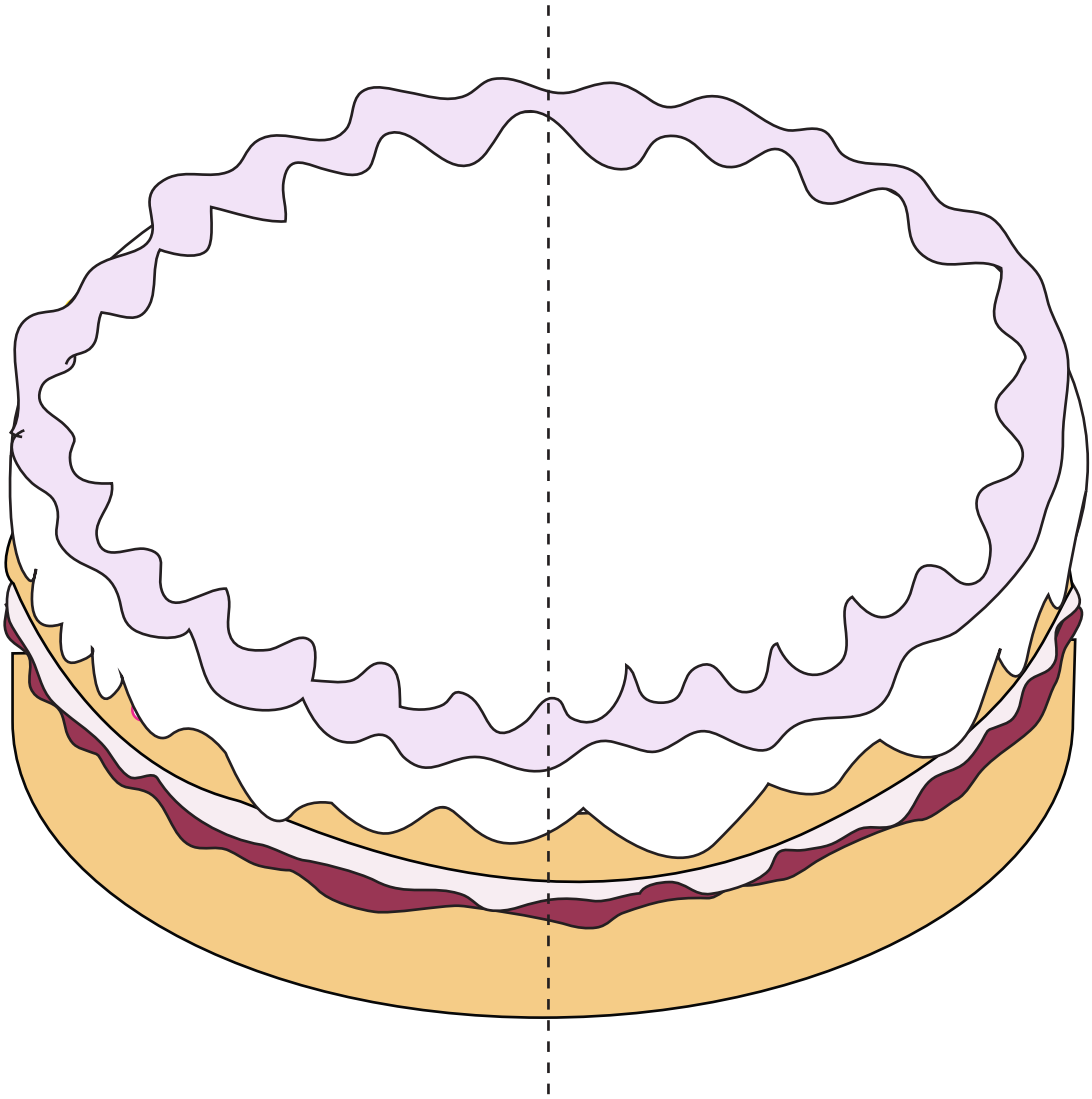
$\frac{1}{2}$ of 16 is ☐ $\frac{1}{4}$ of 16 is ☐

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 $\frac{1}{4}$.

A Bit Stuck?

Decorate the cake



A Bit Stuck?

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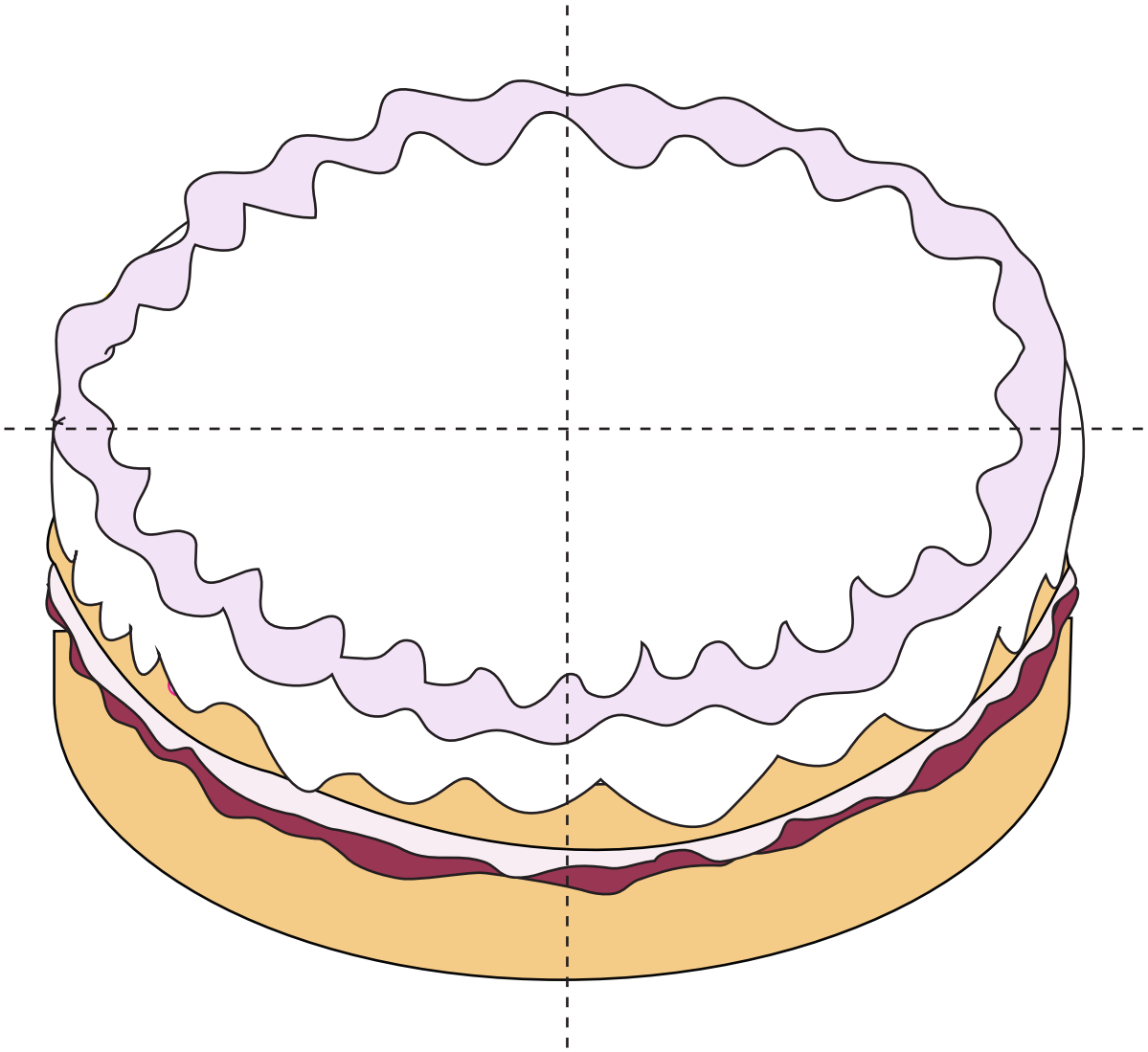

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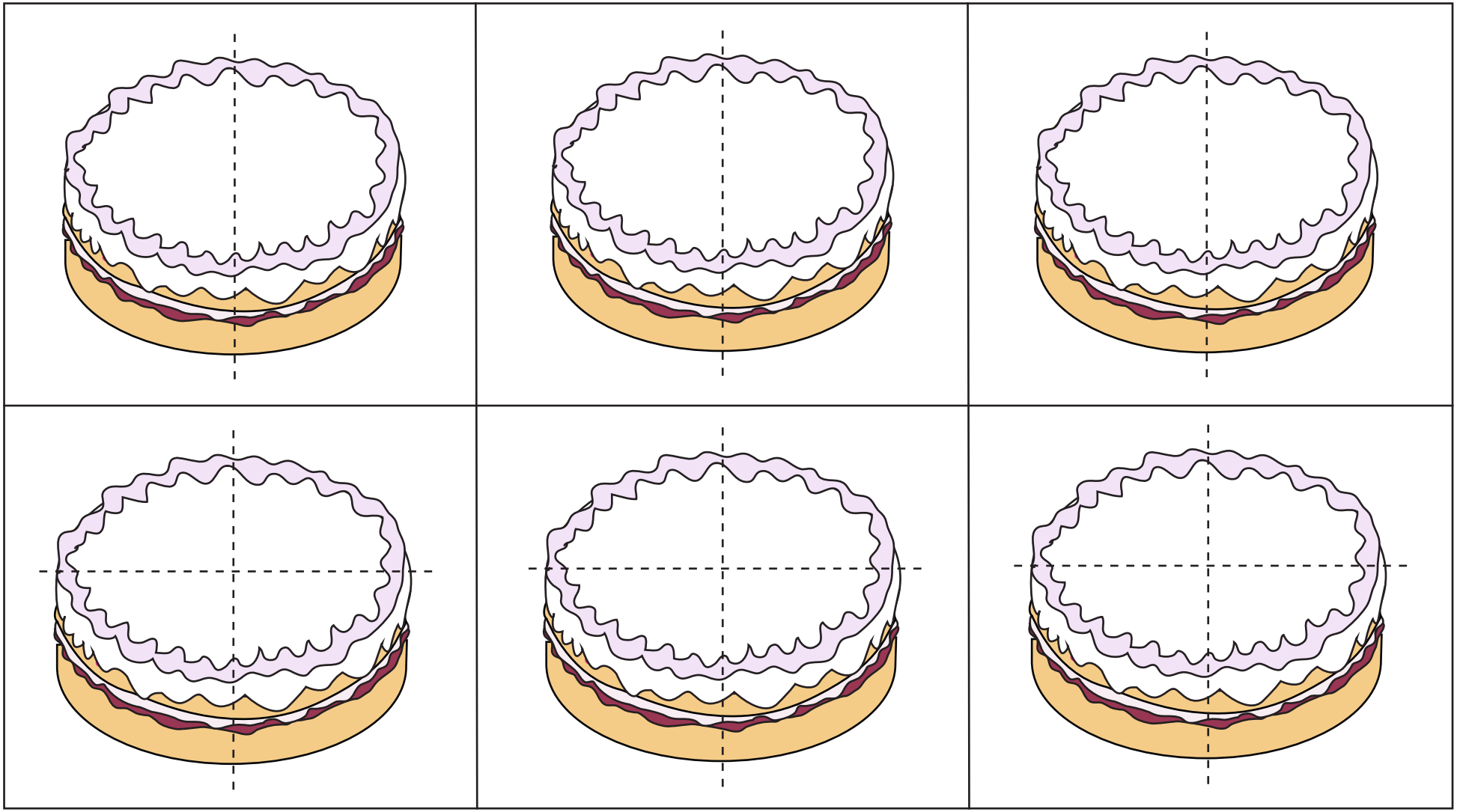

Check your understanding:
Questions

Find $^1/_4$ of each quantity:

(a) 24 stickers
(b) 16 pennies
(c) 28 crisps

Use your answers to find $^3/_4$ of each quantity.

True or false?

- $^1/_3$ of 12p is the same as $^1/_2$ of 8p
- $^1/_3$ of 24p is the same as $^1/_2$ of 16p
- $^1/_4$ of 28p is the same as $^3/_4$ of 16p

Fold here to hide answers:

Check your understanding:
Answers

Find $^1/_4$ of each quantity:

(a) 24 stickers 6
(b) 16 pennies 4
(c) 28 crisps 7

Use your answers to find $^3/_4$ of each quantity.
18, 12, 21 respectively. Either by finding 3 times the answer for $^1/_4$, or by subtracting $^1/_4$ from the original quantity.

True or false?

- $^1/_3$ of 12p is the same as $^1/_2$ of 8p True, both equal 4p.
- $^1/_3$ of 24p is the same as $^1/_2$ of 16p True, both equal 8p.
- $^1/_4$ of 28p is the same as $^3/_4$ of 16p False, they equal 7p and 12p respectively.