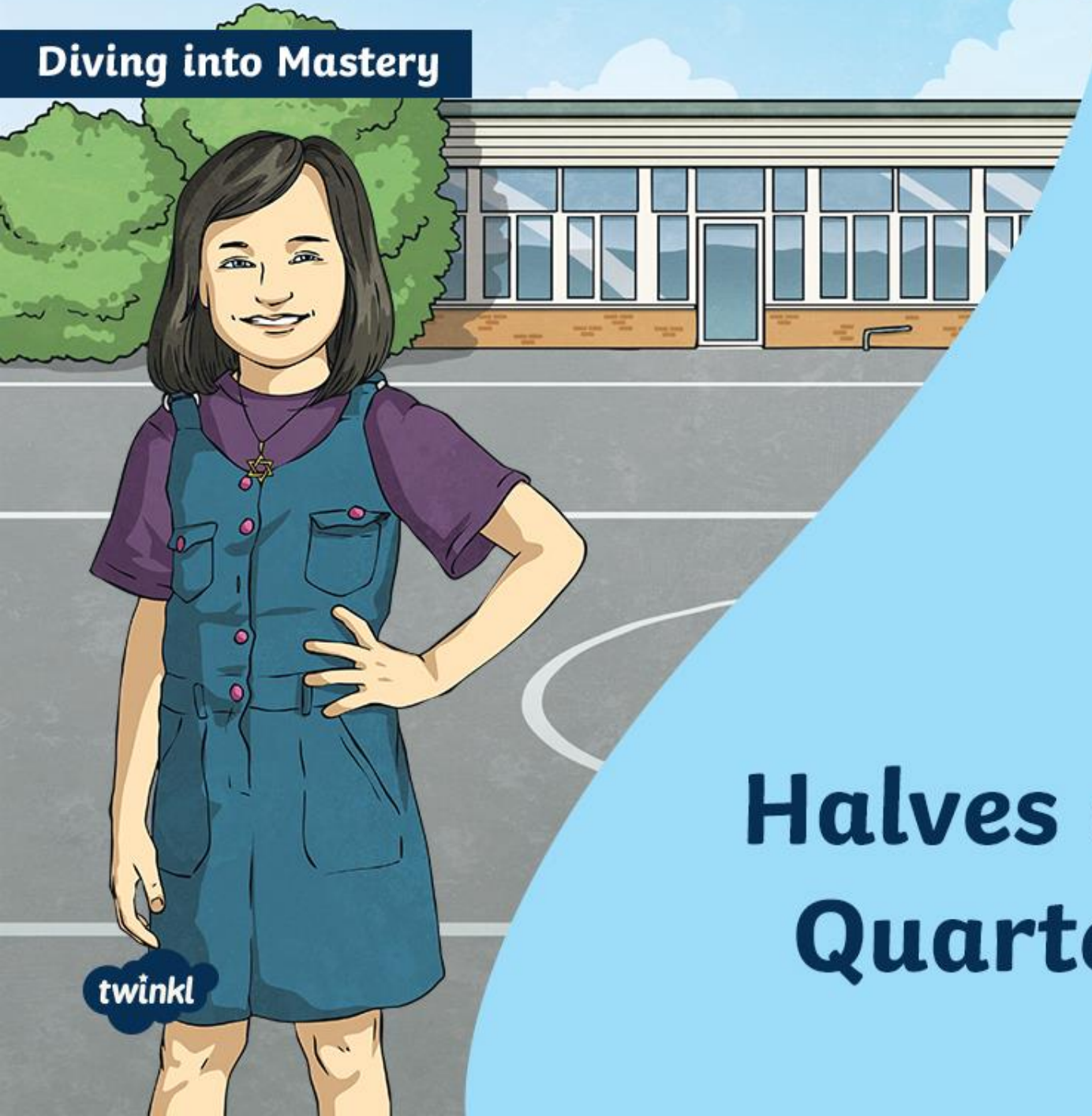
Diving into Mastery



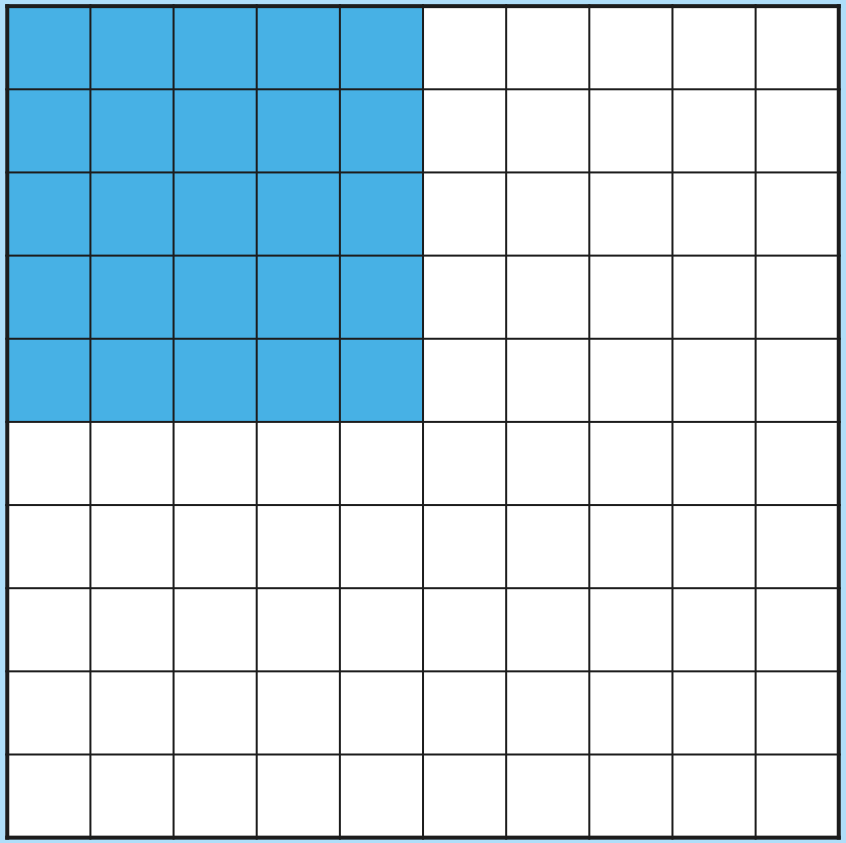
Halves and Quarters

Aim

- Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.

Halves and Quarters

Diving



How many of the small squares of this 100 square are shaded?

25 small squares.

How do we write this as a fraction of a hundredth? $\frac{}{100}$

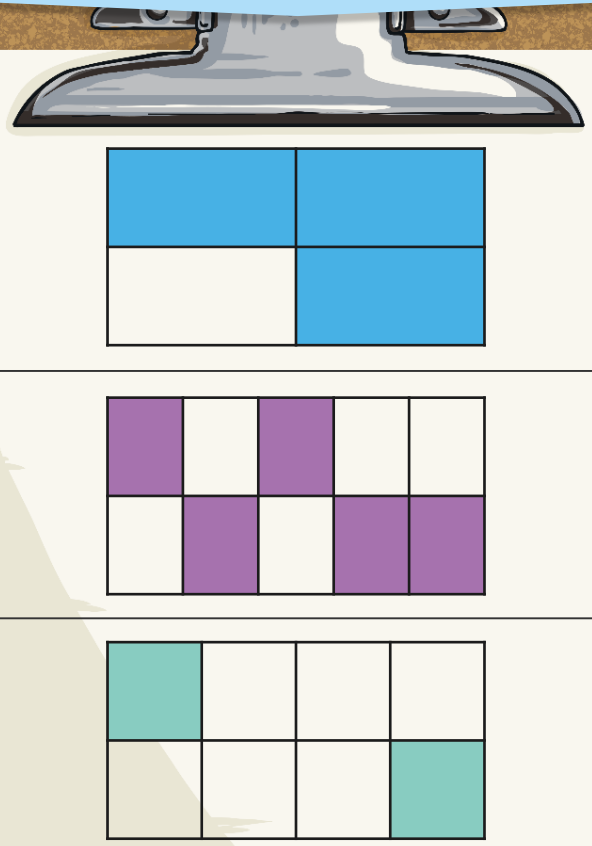
$\frac{25}{100}$

How could this fraction be written using quarters? $\frac{}{4}$

$\frac{1}{4}$

Halves and Quarters | Deeper

Match each fraction and decimal card to the correct shape.



$\frac{1}{4}$

$\frac{3}{4}$

$\frac{1}{2}$

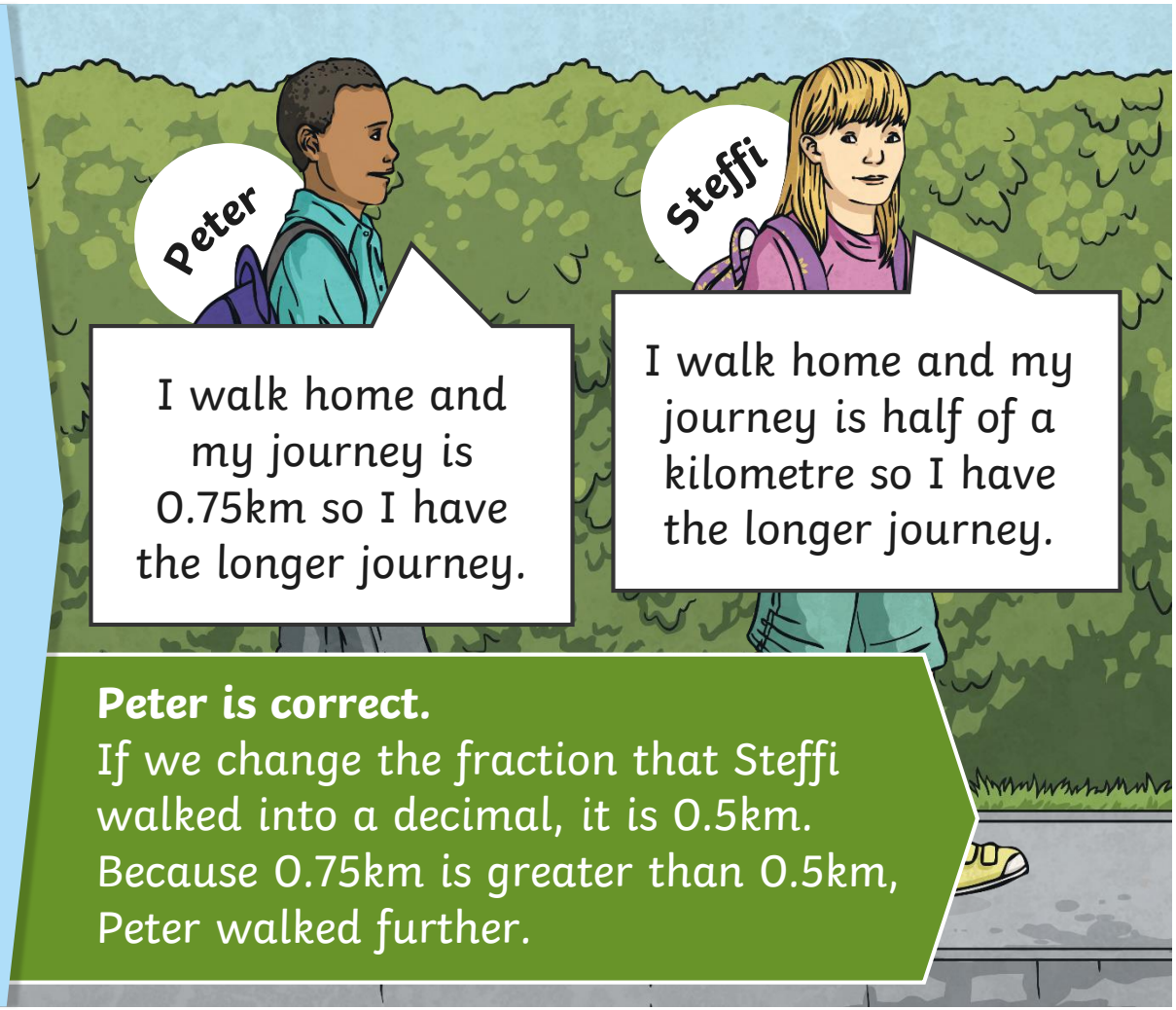
0.75

0.25

0.5

Halves and Quarters | **Deeper**

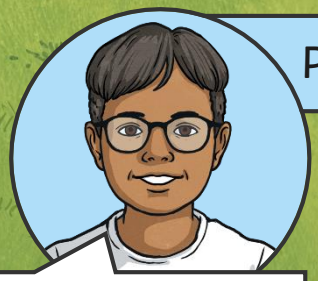
Do you agree with Peter or Steffi? Explain how you know.



Peter is correct.
If we change the fraction that Steffi walked into a decimal, it is 0.5km. Because 0.75km is greater than 0.5km, Peter walked further.

Halves and Quarters | **Deepest**

Three friends are comparing the lengths of their skipping ropes.



Parminder

My rope is $\frac{1}{2}$ of 7m.

Suman

My rope measures 0.75 of 7m.

Lucas

My rope measures a quarter of 7m.

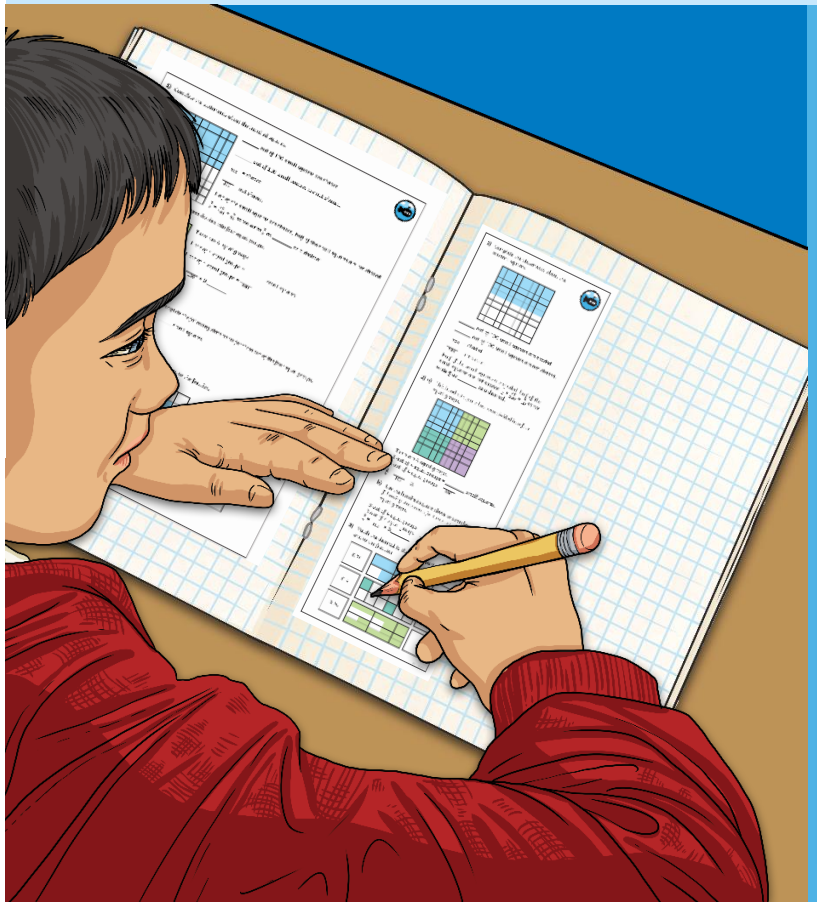
As all three children compare their skipping rope to one of 7m, we do not need to calculate the exact length of each child's skipping rope. Instead, we can look at the fractions and decimals to order the children's ropes. Parminder's rope is $\frac{1}{2}$ or **0.5** of 7m. Lucas's rope is $\frac{1}{4}$ or **0.25** of 7m and Suman's rope is $\frac{3}{4}$ or **0.75** of 7m.

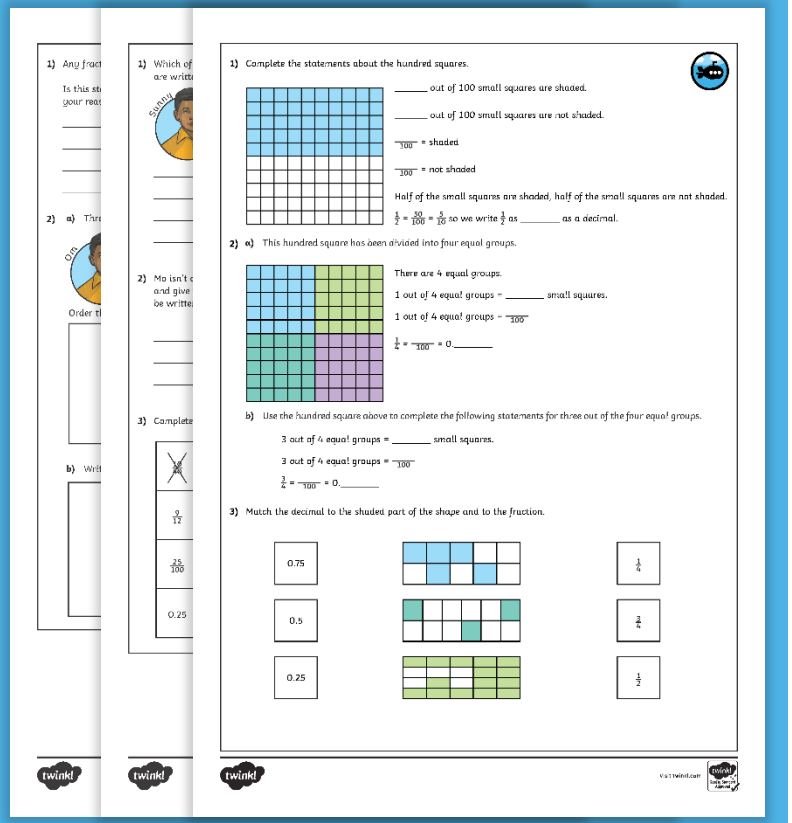
Therefore, the order is:

Lucas's rope, Parminder's rope and then Suman's rope.

Halves and Quarters

Dive in by completing your own activity!



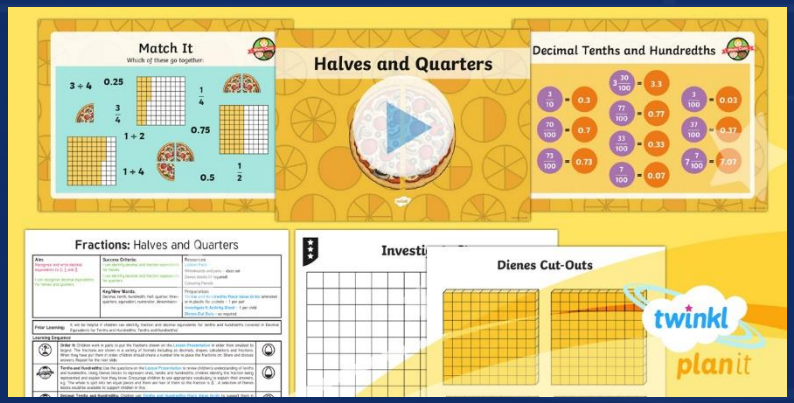


Need Planning to Complement this Resource?

National Curriculum Aim

Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.

For more planning resources to support this aim, click here.



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