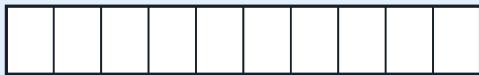


ADDING FRACTIONS WITH STRIPS

- 1 Find the common denominator for $\frac{2}{5}$ and $\frac{3}{10}$ which is **10**.
- 2 Rename $\frac{2}{5}$ as **$\frac{4}{10}$** by multiplying top and bottom by **2**.
- 3 Add the numerators **4** plus **3** to get **$\frac{7}{10}$** .
- 4 The answer **$\frac{7}{10}$** is already simple.

WARM-UP

Shade the fraction strips to show each sum or difference.



1. Shade $\frac{1}{3}$ and $\frac{1}{6}$ on the strips and rename to sixths
2. Shade $\frac{3}{5}$ and $\frac{1}{10}$ on the strips and rename to tenths
3. Shade $\frac{5}{6}$ and $\frac{2}{3}$ on the strips and rename to sixths

PRACTICE

- 1 Aoife buys $\frac{1}{7}$ of a cake and $\frac{1}{14}$ more of the same cake at the shop.

$$\frac{1}{7} + \frac{1}{14} = ?$$

- 2 Conor shops for $\frac{1}{2}$ kg of apples and then adds $\frac{1}{4}$ kg of pears.

$$\frac{1}{2} + \frac{1}{4} = ?$$

- 3 A pizza is cut so Maeve takes $\frac{2}{7}$ and Liam takes $\frac{5}{14}$ of it.

$$\frac{2}{7} + \frac{5}{14} = ?$$

- 4 Buy $\frac{1}{2}$ litre of milk and add $\frac{2}{5}$ litre of juice to the basket.

$$\frac{1}{2} + \frac{2}{5} = ?$$

- 5 Start with $\frac{7}{8}$ of a loaf and use $\frac{3}{4}$ of it for sandwiches.

SPOT THE MISTAKE

Niamh works out $\frac{1}{2} + \frac{1}{3}$:

Add the tops: $1 + 1 = 2$

Add the bottoms: $2 + 3 = 5$

Answer: $\frac{2}{5}$

Find Niamh's mistake. What is the correct answer?

The mistake _____ Correct answer