

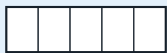
MATCH $\frac{1}{2}$ WITH QUARTERS

- 1 The top strip is cut into 2 equal parts and 1 part is shaded.
- 2 The bottom strip is the same length, cut into 4 equal quarters.
- 3 Shading 2 quarters reaches exactly the same far edge.
- 4 So the two fractions name the same amount: $\frac{1}{2} = \frac{2}{4}$.



WARM-UP

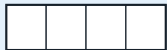
Shade each strip so the far edges line up, then write the equivalent fraction.



1. shade $\frac{1}{5}$



1. shade $\frac{2}{10}$



2. shade $\frac{3}{4}$



2. shade $\frac{6}{8}$



3. shade $\frac{4}{10}$

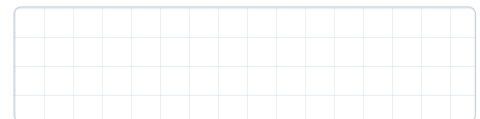


3. check against $\frac{2}{5}$

1. Shade $\frac{1}{5}$ on the top strip and $\frac{2}{10}$ on a same-size strip below it.
2. Shade $\frac{3}{4}$ on one strip and $\frac{6}{8}$ on a same-size strip below it.
3. Shade $\frac{4}{10}$ on one strip and check it lines up with $\frac{2}{5}$ on a same-size strip.

PRACTICE

- 1 A sandwich is cut into quarters. Ben cuts the same-size sandwich into eighths. How many eighths equal one quarter of the sandwich? _____
- 2 A loaf of bread shaded to one third matches a same-size loaf cut into sixths. How many sixths reach the same far edge? _____
- 3 Two quarters of a pizza strip are shaded. A same-size strip is cut into eighths. How many eighths reach the same edge? _____



SPOT THE MISTAKE

Cian says: 'To make an equivalent fraction of $\frac{1}{3}$, I add the same number to the top and bottom. So $\frac{1}{3} = \frac{2}{4}$.'

Cian is wrong. What is the correct rule, and what is a real equivalent of $\frac{1}{3}$?

Explain _____ Answer _____

REFLECT

Can two fractions look different but name the same amount? How did the strips show this?