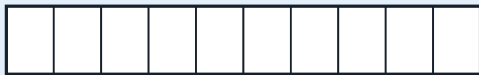


FAIR SHARES OF CHOCOLATE

- 1 Draw two equal chocolate bars one above the other.
- 2 Shade 1 half of the top bar.
- 3 Shade 2 quarters of the bottom bar.
- 4 Line up the shaded ends: they stop at the same place so $\frac{1}{2} = \frac{2}{4}$.

WARM-UP

Shade the pairs of fraction strips to test equivalent fractions.



1. Shade $\frac{1}{4}$ on one strip and $\frac{3}{12}$ on the strip below it
2. Shade $\frac{1}{2}$ on one strip and $\frac{5}{10}$ on the strip below it
3. Shade $\frac{2}{4}$ on one strip and $\frac{4}{8}$ on the strip below it

PRACTICE

- 1 At the shop Katie buys a chocolate bar and eats $\frac{1}{3}$ of it. Seán eats $\frac{2}{6}$ of an identical bar. Are the amounts the same?
- 2 Mum cuts a pizza into halves and gives you $\frac{1}{2}$. Dad cuts the same size pizza into sixths and gives you $\frac{3}{6}$. Do you both get the same amount?
- 3 A loaf of bread is cut into quarters; you take $\frac{1}{4}$. Another loaf the same size is cut into eighths; you take $\frac{2}{8}$. Are the shares equal?
- 4 In the bakery a cake is split into fifths and $\frac{3}{5}$ is sold. Another identical cake is split into tenths and $\frac{6}{10}$ is sold. Did the same amount leave the shop?
- 5 A bag of sweets is shared so you get $\frac{2}{5}$. Another bag the same size is shared so you get $\frac{4}{10}$. Are the two shares equivalent?

SPOT THE MISTAKE

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

Oisín is wrong. What is the correct rule, and what is a real equivalent of $\frac{1}{2}$?

Explain _____ Answer

REFLECT

How can one half and two quarters name the very same amount?