

SAME AMOUNT OF PIZZA

- 1 Start with $\frac{1}{2}$ of a pizza shaded.
- 2 Multiply top and bottom by 2: $1 \times 2 = 2$ and $2 \times 2 = 4$ so $\frac{2}{4}$.
- 3 Multiply top and bottom by 4: $1 \times 4 = 4$ and $2 \times 4 = 8$ so $\frac{4}{8}$.
- 4 $\frac{1}{2}$, $\frac{2}{4}$ and $\frac{4}{8}$ all shade the same amount.

 WARM-UP

Use the fraction strips. Shade each strip to match the fraction named.

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shade 1/2

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shade an equivalent —
how many quarters? ____ / 4

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shade an equivalent –
how many eighths? ____ / 8

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shade $\frac{2}{3}$ — that's 4 / 6

1. Shade a strip to show $\frac{1}{2}$ of the whole
2. Shade a strip to show $\frac{2}{4}$ of the whole
3. Shade a strip to show $\frac{4}{8}$ of the whole

 PRACTICE

- 1 At the shop a pizza is cut into 7 slices and you buy 1. How many slices do you need if the same pizza is cut into 14 equal slices?
- 2 A loaf of bread is cut into 3 equal parts and you take 1. How many parts equal that amount when the loaf is cut into 6?
- 3 A fruit tart is cut into 4 and you take 3 slices. How many slices show the same amount if it is cut into 12?

! SPOT THE MISTAKE

Tomás says: 'To make $\frac{1}{2}$ equivalent to a new fraction, I add 1 to the top and 1 to the bottom. So $\frac{1}{2} = \frac{2}{3}$.'

Tomás is wrong. What is the correct rule, and what is a real equivalent of $1/2$?

Explain _____ Answer (_____)