

Compare and rename fractions · Lesson A

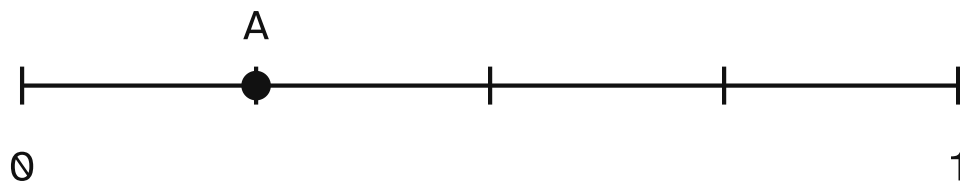
Build understanding · 8 questions · A4

Use the explanations to discuss the idea. A worked answer is one example; equivalent answers may also be valid.

1. What fraction names point A? The distance from 0 to 1 is one whole.

$\frac{1}{4}$

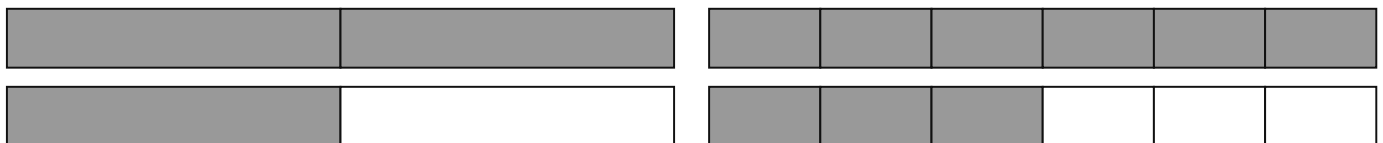
A is 1 spaces of $\frac{1}{4}$ from zero: $\frac{1}{4}$.



2. Split each original part into 3 equal pieces. Keep the shaded amount the same.

Split each original part into 3 equal pieces: $\frac{9}{6}$.

$\frac{3}{2} = \frac{(3 \times 3)}{(2 \times 3)} = \frac{9}{6}$. The whole and the shaded amount stay the same.



Compare and rename fractions • Lesson A

Build understanding • 8 questions • A4

3. Split each original part into 2 equal pieces. Keep the shaded amount the same.

Split each original part into 2 equal pieces: $\frac{4}{8}$.

$\frac{2}{4} = (2 \times 2)/(4 \times 2) = \frac{4}{8}$. The whole and the shaded amount stay the same.



4. Compare $\frac{5}{6}$ $\frac{2}{6}$ of the same-sized whole.

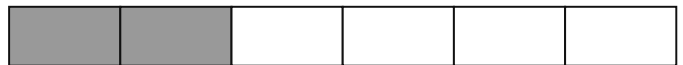
>

$\frac{5}{6} > \frac{2}{6}$. The denominators match, so comparing numerators compares the amounts.

$\frac{5}{6}$



$\frac{2}{6}$



Compare and rename fractions · Lesson A

Build understanding · 8 questions · A4

5. Compare $2/4$ $4/4$ of the same-sized whole.

<

$2/4 < 4/4$. The denominators match, so comparing numerators compares the amounts.

$2/4$



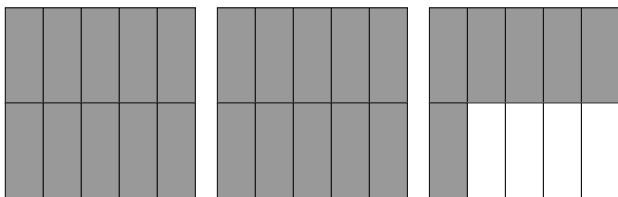
$4/4$



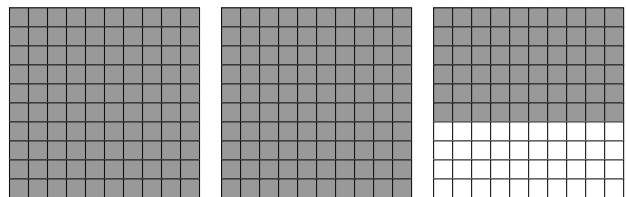
6. Fill in the missing numerator: $26/10 = ?/100$.

260

$26/10 = (26 \times 10)/(10 \times 10) = 260/100$. The whole and the shaded amount stay the same.



Each square is one whole, with 10 equal parts.



Each square is one whole, with 10 rows of 10 hundredths.

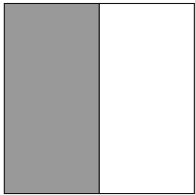
Compare and rename fractions · Lesson A

Build understanding · 8 questions · A4

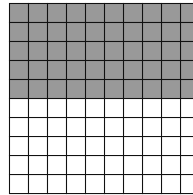
7. Fill in the missing numerator: $\frac{1}{2} = \frac{?}{100}$.

50

$\frac{1}{2} = \frac{(1 \times 50)}{(2 \times 50)} = \frac{50}{100}$. The whole and the shaded amount stay the same.



Each square is one whole, with 2 equal parts.



Each square is one whole, with 10 rows of 10 hundredths.

8. Write a fraction equal to $\frac{6}{3}$ with denominator 6. Which reason would help you solve this correctly?

Each old part becomes 2 smaller equal parts. Change both numerator and denominator by the same factor.

