

DIVISION IS MULTIPLICATION BY A FRACTION.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING.
INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children select 3 or 4 cards to make a two- or three-digit number and a single-digit number that they are ready to divide / multiply by a fraction (for example, $76 \div 6$ and $\frac{1}{6} \times 76$). They divide and identify the fraction that they have created (for example, $76 \div 6 = 12\frac{4}{6}$ and $\frac{1}{6} \times 76 = 12\frac{4}{6}$). They commute the fraction and the whole number and multiply (for example, $76 \times \frac{1}{6} = 12\frac{4}{6}$). Reflection: How can we divide by multiplying by a fraction?

Division Is Multiplication By A Fraction

Sit with a friend.

Select 3 or 4 cards to make a two- or three-digit number and a single-digit number to divide / multiply by a fraction,

- for example, $76 \div 6$ and $\frac{1}{6} \times 76$

Divide and multiply by the fraction,

- for example, $76 \div 6 = 12\frac{4}{6}$ and $\frac{1}{6} \times 76 = 12\frac{4}{6}$

Commute the fraction and the whole number and multiply,

- for example, $76 \times \frac{1}{6} = 12\frac{4}{6}$

Reflection: How can we divide by multiplying by a fraction?