

Dividing Whole Numbers by Fractions

* Whole Numbers Always go over 1 *

* KCF: Keep, Change, Flip *

$$9 \div \frac{1}{3}$$

K C F

Step 1: Write the whole number as a fraction.

$$9 \div \frac{1}{3} \rightarrow \frac{9}{1} \div \frac{1}{3}$$

Step 2: Find the reciprocal of the divisor.

* Reciprocal: Flip the number $\frac{4}{5} \rightarrow \frac{5}{4}$

* Divisor: The number you're dividing by.

$$\frac{9}{1} \div \frac{1}{3} \rightarrow \frac{9}{1} \div \frac{3}{1} \quad \frac{1}{3} \rightarrow \frac{3}{1}$$

Step 3: Change the \div sign to a \times sign.

$$\frac{9}{1} \div \frac{3}{1} \rightarrow \frac{9}{1} \times \frac{3}{1}$$

Step 4: Multiply the fractions

$$\frac{9}{1} \times \frac{3}{1} = \frac{27}{1} = \boxed{27}$$

$$9 \div \frac{1}{3} \rightarrow \frac{9}{1} \times \frac{3}{1} = \frac{27}{1} \text{ or } 27$$

KCF