**Rule for multiplying a fraction and a whole number**



Put the whole number over an imaginary number 1

Multiply the numerators

Multiply the denominators

Put your answer in lowest terms

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Multiplying a fraction and a whole number in either order gives the same result

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| Multiplication of Mixed Numbers | Question Expressed as an Improper Fraction | Multiplication of Improper Fractions | Product Expressed in lowest terms |
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Jupiter completes about rotations every 24 hours (an Earth day). How many rotations does Jupiter complete in one Earth week?

**Multiplying Mixed Numbers**

**Example:** 

1. Write the mixed numbers as improper fractions

2. To multiply the fractions, multiply the numerators and multiply the denominators.

3. Write the product in lowest terms

**Practice:**

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**Multiply Using a model**

You can express the multiplication as a repeated addition.

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Model it:

 