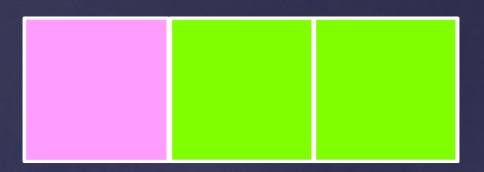
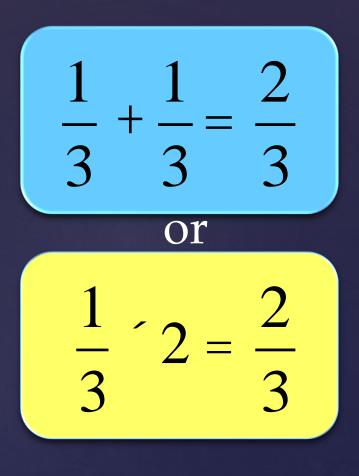
Multiplying fractions

I can multiply a fraction by a whole number, using diagrams





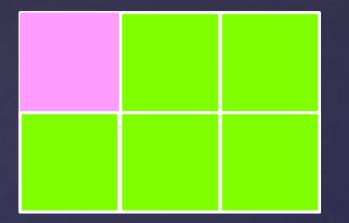
What fraction of the shape is green?

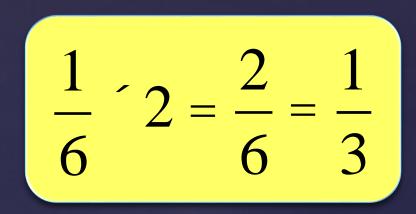


1 + 3 4 4 Δ

or

What fraction of the shape is green?



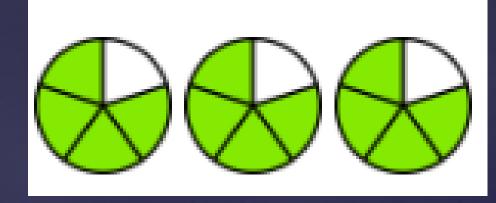


What fraction of the shape is green?

 $\frac{2}{6} = \frac{1}{3}$

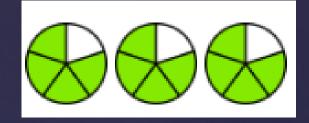
Here we find the simplest fraction by dividing the numerator (top number) and the denominator (bottom number) by the same number (2).

$3 \times \frac{4}{5}$ is three lots of $\frac{4}{5}$



 $3 \times \frac{4}{5} = \frac{12}{5}$

Now we turn $\frac{12}{5}$



into a mixed number (whole number and a fraction).



What do you do to multiply a fraction by a whole number?

- Multiply the fraction's numerator by the whole number
- Simplify, if necessary
- Convert to a mixed number, if necessary