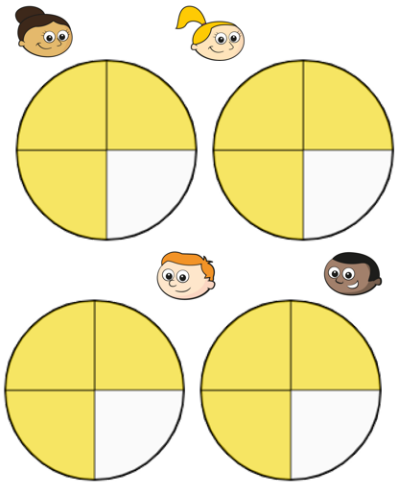
Year 6	Block 4	Unit: Fractions B

Key Vocabulary:

numerator	proper fraction	equivalent	simplifying	integer
denominator	improper fraction	mixed number	multiply	divide
common numerator	common denominator			

What will I know by the end of this unit?

Multiply fraction by an integer:

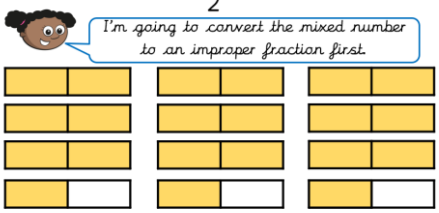


3 quarters × 4 = 12 quarters

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

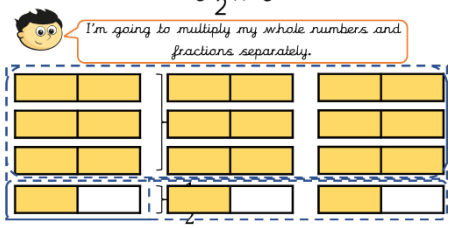
Multiply a mixed number by an integer:

$3\frac{1}{2} \times 3$



$\frac{7}{2} \times 3 = \frac{21}{2} = 10\frac{1}{2}$

$3\frac{1}{2} \times 3$

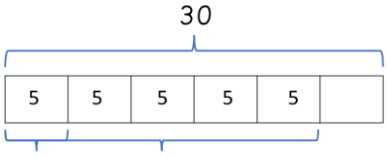


$3 \times 3 = 9$

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

Fractions of an amount:

$\frac{5}{6}$ of 30 = 25

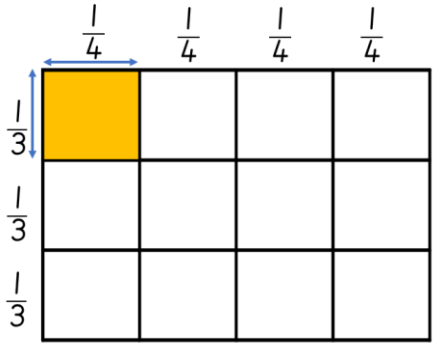


30 ÷ 6 = 5 5 × 5 = 25

If one-sixth is equal to 5, then five-sixths are equal to 25.

Multiply fraction an by fraction:

$\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$



Divide fraction by an integer:

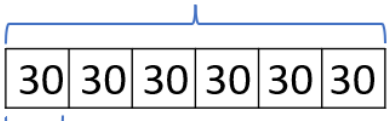
$\frac{4}{5} \div 3 = \frac{4}{15}$ ✗

$\frac{4}{15}$ is 3 times smaller than $\frac{4}{5}$

Fraction of an amount – finding the whole:

$\frac{1}{6}$ of ☐ = 30

180



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