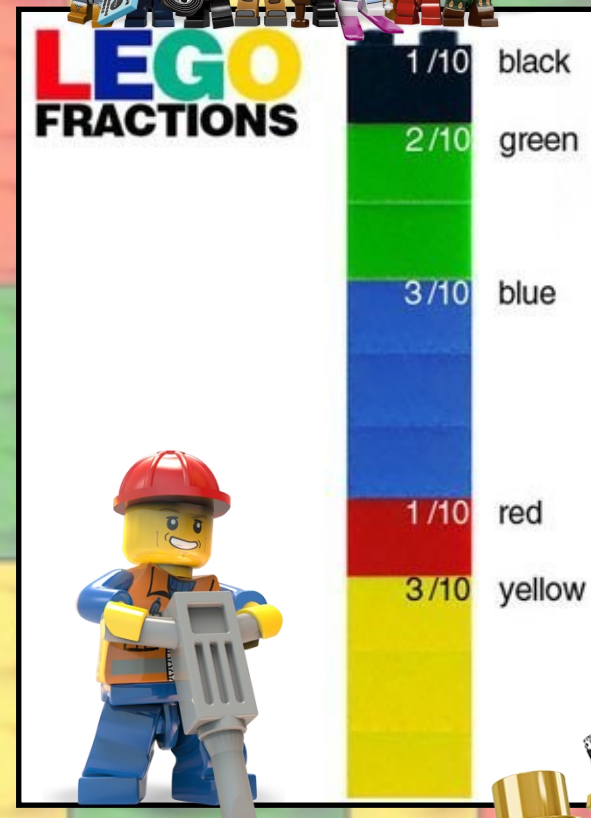


how many parts you have

$$\frac{\text{numerator}}{\text{denominator}}$$

how many parts of the whole

[illegible]

Decimals, fractions and percentages are different ways of showing the same value.

	Fractions	Decimals	Percentages
	$\frac{1}{20}$	0.05	5%
	$\frac{1}{10}$	0.1	10%
	$\frac{1}{8}$	0.125	$12\frac{1}{2}\%$
	$\frac{1}{5}$	0.2	20%
	$\frac{1}{4}$	0.25	25%
	$\frac{1}{3}$	0.333...	$33\frac{1}{3}\%$
	$\frac{1}{2}$	0.5	50%
	1	1.0	100%

A **fraction** shows equal $\frac{1}{4}$ parts of a whole.

A **decimal fraction** is a fraction whose denominator is a power of 10.

0.25
tenths hundredths

A **percentage** shows a fraction of 100. **25%**

To convert a fraction to a decimal,
divide the numerator by the denominator.

E.g., $\frac{1}{4}$ $1 \div 4 = 0.25$

To convert a fraction to a percentage, divide the numerator by the denominator and multiply by 100.

E.g., $\frac{1}{4} \quad 1 \div 4 = 0.25 \times 100 = 25\%$

