Name: _____ Date: _____

Imperial The measurement system still used in the US and England

ex. gallon ≈ 4 L a stone, pounds, ounces

inch	feet	yards	miles
$\frac{1}{2}$" (2 $\frac{1}{2}$" in 1") ÷2 ↓ $\frac{1}{4}$ ×2 ↑ ÷2 ↓ $\frac{1}{8}$ ×2 ↑ ÷2 ↓ $\frac{1}{16}$ ×2 ↑	12" = 1ft	3ft = 1yd	1760yd = 1mi

Victor is 6 ft tall. How many inches is he?

$\frac{12"}{1ft} = \frac{V}{6ft}$

$72 = V$

Victor is 72" tall

Comparing Imperial and Metric

Imperial Unit	inch	foot	1 yard	mile
Metric Unit	2.54cm	0.3 m	0.91 m	1.6 km

30.5 cm

More Excitingly, here are 6 different kinds of candy. I have a ranking for them, but you need to find it. The following table shows 'candy equivalencies.'

6 Jelly Bellies	Is worth the same as	9 Hi Chew
3 Nibs		12 Sour Patch Kids
3 Sweet Tarts		15 Swedish Berries
8 Sour Patch Kids		4 Jelly Bellies
6 Hi Chew		5 Swedish Berries
9 Sweet Tarts		3 Nibs

1 sweet tart for 5 swedish

1 jelly belly for 2 SPK

1 nib for 4 SPK

3 ST ~~for~~ 1 nib

For example, I prefer Jelly Bellies over Hi Chew, because I would trade you 9 Hi Chews for 6 Jelly Bellies. The candy which I enjoy the most is that which I would take the fewest pieces of!

$\frac{6 \text{ jelly bellies}}{9 \text{ hi chews}} \Rightarrow$ 2 jelly bellies are worth 3 hi chews

1 Nibs
2 Jelly Bellies
3 Sweet Tarts
4 SPKs

15 Swedish berries

Hi Chews.

$$\frac{1 \text{ JB}}{2 \text{ SPK}} = \frac{x}{4 \text{ SPK}}$$

$$\frac{4}{2} = \frac{2x}{2}$$

$$x = 2$$