

Measurement Conversions

4th Grade

Full customary and metric conversion tables, plus the $\times/\div$ direction rule.

CUSTOMARY

1 foot = 12 inches

1 yard = 3 feet = 36 inches

1 mile = 5 280 feet

1 pound = 16 ounces

1 ton = 2 000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints = 4 cups

1 gallon = 4 quarts = 16 cups

METRIC & TIME

1 kilometre = 1 000 metres

1 metre = 100 centimetres

1 centimetre = 10 millimetres

1 kilogram = 1 000 grams

1 gram = 1 000 milligrams

1 litre = 1 000 millilitres

1 tonne = 1 000 kilograms

1 hour = 60 minutes

1 minute = 60 seconds

WHICH WAY — $\times$ OR $\div$?

Big unit $\rightarrow$ small unit: MULTIPLY

$$5 \text{ ft} = 5 \times 12 = 60 \text{ in}$$

Small unit $\rightarrow$ big unit: DIVIDE

$$96 \text{ in} = 96 \div 12 = 8 \text{ ft}$$

More small pieces fit in the same length — so the number should get bigger.

SANITY CHECK

If the unit got smaller and your number got smaller too, you divided the wrong way.