Properties

Multiplication

Division

Ex) a)   b)   c)

You Try!

a)
$$3 \cdot \frac{y}{3} = -6 \cdot 3$$
$$\boxed{y = -18}$$

$$1.4 \div \frac{5}{100}$$
$$1.4 \cdot \frac{100}{5}$$

b)
$$9 \cdot \pi = \pi x$$
$$\frac{9}{\pi} = \frac{\pi x}{\pi}$$
$$9 = x$$
$$\boxed{x = 9}$$

c)
$$0.05 \cdot w = 1.4$$
$$\frac{0.05}{0.05} = \frac{1.4}{0.05}$$
$$\boxed{w = 28}$$
$$1.4 \div 0.05$$

In the Olympic trials, Usain Bolt won the 200-m dash with a time of 19.35 seconds. What was his average speed?

Hint: d=rt

$$distance = rate \cdot time$$

$$\frac{200}{19.35} = \frac{r \cdot (19.35)}{19.35}$$

$$10.3 = r$$

His average rate of speed was 10.3 m/s