

Multiply by 10

Complete the calculations:

1.

$$53 \times \dots = 5300$$

$$7 \times \dots = 70$$

$$95 \times \dots = 95000$$

2.

$$4.23 \times \dots = 423$$

$$0.06 \times \dots = 0.6$$

$$0.2563 \times \dots = 25.63$$

3.

$$53000 \div \dots = 530$$

$$7290 \div \dots = 729$$

$$6\,000\,000 \div \dots = 6$$

4.

$$435 \div \dots = 4.35$$

$$547 \div \dots = 0.547$$

$$6340 \div \dots = 0.00634$$

Really Large and Really Small: Scientific Notation

World population: 7.5 billion, that is, 7.5×10^8

$$7.5 \times 10^9 =$$

Population of greater Vancouver: 2.5 million, that is, 2.5×10^6

$$2.5 \times 10^6 =$$

Speed of light: 300 million meters per second! That is, 3×10^8

$$3 \times 10^8 =$$

Now for the really small:

Weight of a fruit fly: 2.5×10^{-7} kg, that is 2.5 divided by 10 seven times!

$$2.5 \times 10^{-7} =$$

Weight of a human egg: 3.6×10^{-9} kg, that is, 3.6 divided by 10 nine times!

$$3.6 \times 10^{-9} =$$

Weight of a hydrogen atom: 1.7×10^{-27} kg, that is, 1.7 divided by 10 twenty seven times:

$$1.7 \times 10^{-27} =$$

