

Lesson 1: Let's Think

Lily says:

"Multiplying by 10 is easy. You just put a zero on the end of the number."

Is she always right?

Lesson 1: Let's Apply

Match each calculation on the left to its answer on the right.

$$454.3 \times 1,000 =$$

$$4.543 \times 100 =$$

$$45.43 \times 1,000 =$$

$$454.3 \times 10 =$$

4,543

45.43

454.3

454,300

45,430

Lesson 2: Let's Think

To convert from g to kg you divide by 1,000.

Are all of these conversions correct?

$$6,483\text{g} = 6\text{kg}$$

$$8,764\text{g} = 8.764\text{kg}$$

$$543\text{g} = 5.43\text{kg}$$

$$8,542\text{g} = 85.42\text{kg}$$

Lesson 2: Let's Apply

Match each calculation on the left to its answer on the right.

$$8,663 \div 10 =$$

$$86.63 \div 10 =$$

$$86,630 \div 1,000 =$$

$$86,630 \div 10 =$$

866.3

86630

8.663

86.63

8663

BONUS: Can you create a division question that has the 'spare' answer?

Lesson 3: Let's Think

Create three hard and three easy questions that involve multiplying and/or dividing by 10, 100 or 1,000.

What makes the questions hard?

What makes them easy?

Lesson 3: Let's Apply

Complete the missing gaps in these calculations.

Fill in any with x or \div . Fill in any with a number.

$$654.3 \div 100 = \text{[]}$$

$$\text{[]} \times 100 = 4,432$$

$$543 \text{ [] } \text{[]} = 54.3$$

$$\text{[]} \div 10 = 56.43$$

$$6,743 \text{ [] } \text{[]} = 6.743$$