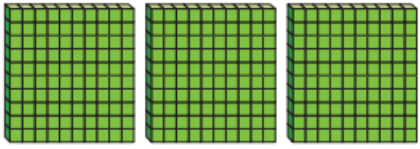




2.3.22


Multiplying by 10 and 100



$3 \times 1 \text{ hundred} = \underline{\hspace{2cm}}$ hundreds
 $3 \times 100 = \underline{\hspace{2cm}}$

$100 \times 10 = 1,000$	$400 \times 10 = 4,000$
$101 \times 10 = 1,010$	$410 \times 10 = 4,100$
$102 \times 10 = 1,020$	$420 \times 10 = 4,200$
$103 \times 10 = \square$	$430 \times 10 = \square$
$104 \times 10 = \square$	$440 \times 10 = \square$
$105 \times 10 = \square$	$450 \times 10 = \square$
$\square \times 10 = 1,060$	$\square \times 10 = 4,600$
$\square \times 10 = 1,070$	$\square \times 10 = 4,700$
$\square \times 10 = 1,080$	$\square \times 10 = 4,800$
$109 \times 10 = \square$	$490 \times 10 = \square$
$110 \times 10 = \square$	$500 \times 10 = \square$

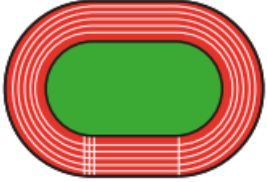
There are 8 jars.
 Each jar contains 100 drawing pins.
 How many drawing pins are there altogether?



$2 \times 12 = \square$	$5 \times 7 = \square$
so	so
$200 \times 12 = \square$	$5 \times 700 = \square$
$100 \times 7 = \square$	$9 \times 400 = \square$
$8 \times 700 = \square$	$400 \times 4 = \square$

Write $<$, $>$ or $=$ to compare the multiplications.

$75 \times 100 \bigcirc 75 \times 10$	$460 \times 10 \bigcirc 100 \times 47$
$39 \times 100 \bigcirc 39 \times 10 \times 10$	$10 \times 420 \bigcirc 42 \times 100$



Filip runs 80 m.
 Kim runs 10 times as far.
 How far do they run altogether?



2.3.23

Multiplying by 10 and 100 **CHALLENGE**

$$\begin{array}{ll} 5 \times 10 = \square & \square = 19 \times 10 \\ \square \times 10 = 60 & 150 = \square \times 10 \\ 7 \times \square = 70 & 210 = \square \times 10 \end{array}$$

$$\begin{array}{ll} 5 \times 100 = \square & \square = 19 \times 100 \\ \square \times 100 = 600 & 1,500 = \square \times 100 \\ 7 \times \square = 700 & 2,100 = \square \times 100 \end{array}$$

$$\begin{array}{l} 3 \times 10 \times 10 = \square \times 100 \\ \square \times 10 \times 10 = 4 \times 100 \\ 5 \times 10 \times 10 = \square \times 100 \\ 7 \times \square \times 10 = 7 \times 100 \\ 11 \times 10 \times 10 = 11 \times \square \\ 23 \times \square \times 10 = 23 \times 100 \end{array}$$



2.3.23

Multiplying by 10 and 100

CHALLENGE

Aisha multiplies a whole number by 10



Her answer is between 440 and 540

What number could Aisha have multiplied by 10?

How many possibilities can you find?

