

Place Value of Whole Numbers Assignment – Teacher Edition Math 4

Part A:

Place Value Flower Puzzle

$5 \times 2 =$ how many tens?

$2 \times 100 =$ how many hundreds?

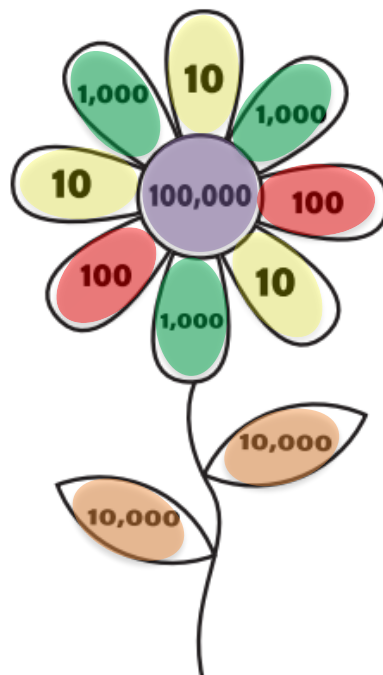
$4,000 \div 2 =$ how many thousands?

$10 \times 1,000 =$ how many ten-thousands?

$50 \times 20,000 =$ how many hundred thousands?

Find the answer to the problems in the puzzle and color in the answer below in the appropriate colors.

1. Color the tens yellow.
2. Color the hundreds red.
3. Color the thousands green.
4. Color the ten thousands orange.
5. Color the hundred thousands purple.



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Part B:

Think about the value of 4 in the number 32,468. Write a new number where the number 4 is worth 10 times as much

$$64,781$$

Think about the value of 2 in the number 617,329. Write a new number where the number 2 is worth 10 times as much

$$315,267$$

Think about the value of 7 in the number 1,267,982. Write a new number where the number 7 is worth 10 times as much

$$4,375,912$$

Think about the value of 5 in the number 365,147. Write a number sentence to show the value of the 5 by multiplying by 10.

$$500 \times 10 = 5,000$$

Think about the value of 4 in the number 617,432. Write a number sentence to show the value of the 4 by multiplying by 10.

$$40 \times 10 = 400$$

Think about the value of 3 in the number 459,236. Write a number sentence to show the value of the 3 by multiplying by 10.

$$3 \times 10 = 300$$

Write a $\times 100$ statement to represent the value to 8 in 687,452...

$$800 \times 100 = 80,000$$

Write a $\times 100$ statement to represent the value to 1 in 127,869...

$$1,000 \times 100 = 100,000$$

Write a $\times 100$ statement to represent the value to 9 in 349,865...

$$90 \times 100 = 9,000$$

Write a $\div 10$ statement to represent the value of 7 in 687,452...

$$70,000 \div 10 = 7,000$$

Write a $\div 10$ statement to represent the value of 2 in 127,869...

$$200,000 \div 10 = 20,000$$

Write a $\div 10$ statement to represent the value of 4 in 349,865...

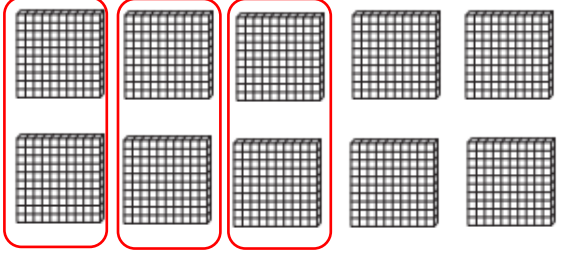
$$400,000 \div 10 = 40,000$$

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Part C:

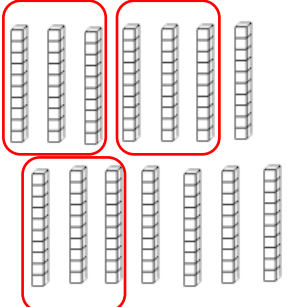
Draw a model for each multiplication statement. Then give the answer.

$3 \times 200 = 600$



A model for the multiplication $3 \times 200 = 600$. It shows three groups of two hundred blocks each, with each group circled in red. Each group consists of two hundred blocks arranged in a 10x10 grid.

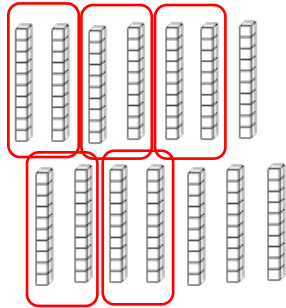
$4 \times 30 = 120$



A model for the multiplication $4 \times 30 = 120$. It shows four groups of three tens blocks each, with each group circled in red. Each group consists of three tens rods.

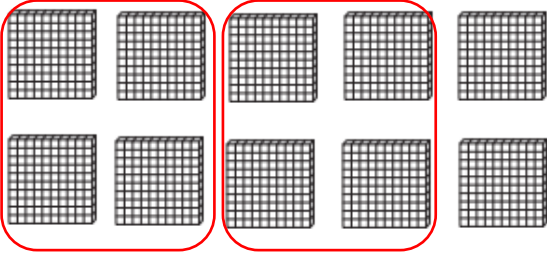


$5 \times 20 = 100$



A model for the multiplication $5 \times 20 = 100$. It shows five groups of two tens blocks each, with each group circled in red. Each group consists of two tens rods.

$2 \times 400 = 800$



A model for the multiplication $2 \times 400 = 800$. It shows two groups of four hundred blocks each, with each group circled in red. Each group consists of four hundred blocks arranged in a 10x10 grid.

Name: _____ Period: _____ Date: _____

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Part D:

Multiply. You may draw a model.

$6 \times 30 =$



$3 \times 500 =$



$4 \times 70 =$



$6 \times 800 =$

