

Name \_\_\_\_\_ Date \_\_\_\_\_

## Unit 5 Review

1 The students in a class stand in 4 rows.

There are 9 students in each row.

How many students are in the class?

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2 Write the missing numbers in this multiplication grid.

x	3	<input type="text"/>	5
2	6	8	10
4	12	16	<input type="text"/>
<input type="text"/>	18	<input type="text"/>	30

3 Are the following number sentences true or false?

Give a reason for each answer.

a  $6 \times 7 = 7 \times 2 \times 3$ 

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b  $7 \times 6 = 3 \times 7 + 7$ 

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4  $\Delta$  and  $\square$  represent two different whole numbers.

$$\Delta \times \Delta = 25$$

$$\Delta \times \Delta \times \Delta = \square$$

What are the values of  $\Delta$  and  $\square$ ?

$$\Delta = \underline{\hspace{2cm}} \quad \square = \underline{\hspace{2cm}}$$

5 Look at the following statement.

When you multiply a 2-digit number by a 1-digit number the product is a 3-digit number.

Is the statement always, sometimes or never true?

Explain your answer.

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6 Darius calculates  $19 \times 3$  using an array. He makes an error.



$$20 \times 3 = 60$$

$$60 - 1 = 59 \text{ so } 19 \times 3 = 59$$

Explain what Darius has done wrong and correct his answer.

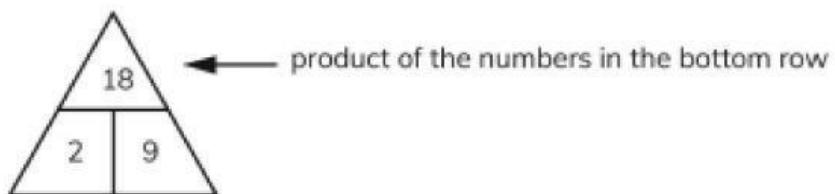
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7 Circle the highest number that is a factor of 30, 42 and 48.

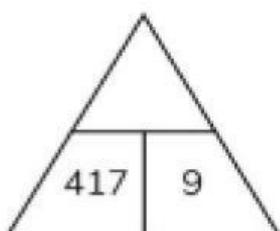
2 3 6 8

8 Here is the rule for finding numbers in a triangle.



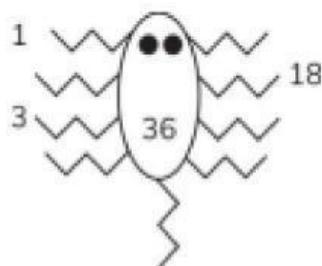
Use this rule to complete this number triangle.

Show your working.



9 Complete the factor bug for 36.

Why does the bug have a tail?



10 Lara thinks of a whole number between 1 and 10.

The table shows information about her number.

	Yes	No
a multiple of 2	✓	
a multiple of 3		✓
a factor of 6	✓	

What is Lara's number?

\_\_\_\_\_

