

Name _____ Date _____

End of unit 5 test

- 1 The students in a class stand in 4 rows.

There are 9 students in each row.

How many students are in the class?

- 2 Write the missing numbers in this multiplication grid.

×	3		5
2	6	8	10
4	12	16	
	18		30

- 3 Are the following number sentences true or false.

Give a reason for each answer.

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

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

- 4 Δ and $\square$ represent two different whole numbers.

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

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

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

$\Delta =$ _____

$\square =$ _____

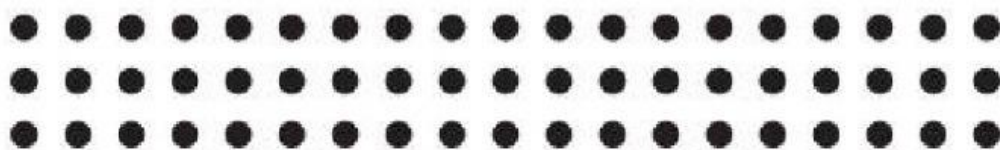
- 5 Look at the following statement.

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.

- 6 Darius calculates 19×3 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.

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

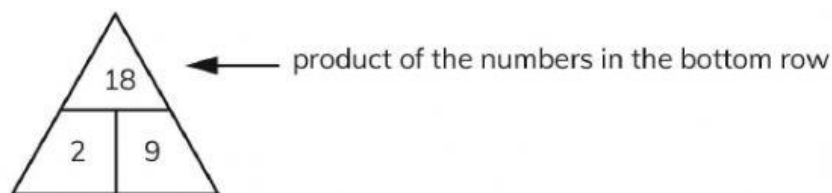
2

3

6

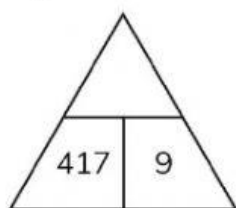
8

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

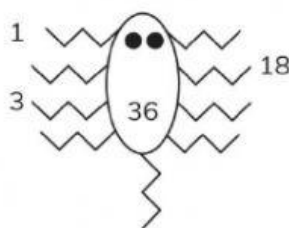


Use this rule to complete this number triangle.

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?