Question 1.

Part A: Which number makes the equation true? Write the answer on the line.

5 x 179 = 5 x (_____ + 70 + 9)

Part B: Use this strategy to find the product of 5 x 179. Show your thinking. Write the product on the line

5 x 179 = _____

Question 2.

Complete the area model to solve 263 x 5.

Write the product.

263 x 5 = _____

Question 3.
Solve.
Be sure to show your thinking. You can use your favorite strategy.

$$24 \times 17 = \_\_$$

Question 4.
Alex states, “When you multiply a 2-digit whole number by another 2-digit whole number, the product is a 3-digit whole number.”

Is Alex’s claim always true, sometimes true, or never true?

_____

Give at least two specific examples to support your answer.

Question 5 –
Part A - Select the equation that has the same unknown number as 45 ÷ 9 = ◯.

- ❑ 9 x ◯ = 45
- ❑ 9 x 45 = ◯
- ❑ 45 x ◯ = 9
- ❑ ◯ x 45 = 9

Part B - Find the quotient. Show your work.

45 ÷ 9 = _____

Question 6 –
Show how to use an area model to solve this problem.

473 ÷ 6 = _____

Question 7

Zohair says that **all** numbers ending in 6 can be evenly divided by 3 without a remainder.

Is Zohair correct? Yes No

Give at least 3 examples that prove whether Zohair is or is not correct.

Question 8

Enter the missing number to make the equation true.

3762 ÷ 6 = (3600 ÷ 6) + (_____ ÷ 6) + (42 ÷ 6)

What is the quotient? _____

Explain how you used this strategy to find the quotient.

6	3762	6x600=3600
	162	6x20=120
	42	6x7=42

9. Gene picks 40 daffodils. She puts exactly 6 daffodils in each vase to give to friends. How many vases will Gene use?

Show or explain why your answer is correct.

_____ vases

10. Roman needs 184 lightbulbs for the apartment building. The lightbulbs come in boxes of 3

How many boxes of lightbulbs does Roman need to order?

Show or explain why your answer is correct.

_____ boxes of lightbulbs