Name _____

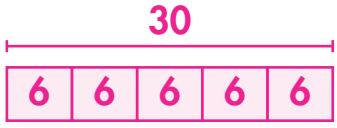
Topic **2**
Assessment

**1.** A garden has 9 rows of tomato plants. There are 7 plants in each row. Write and solve an equation to find the total number of tomato plants. **2 points**

$9 \times 7 = 63$
**63 tomato plants**

**2.** At the fair, tickets are $6 for each adult. Five adults attend the fair. What is the total cost of their tickets?

**A.** Draw a bar diagram and write an equation to solve the problem. **2 points**




$5 \times \$6 = \$30$

**B.** What is the total cost of the adults' tickets? **1 point**

**$30**

**3.** Louis got 5 questions correct on an assignment. Each question is worth 3 points. He wrote the expression $5 \times 3$ to represent how many points he earned in all. Which expression is equal to $5 \times 3$? **1 point**

Ⓐ $5 \times 6$
Ⓑ $3 \times 5$
Ⓒ $5 \times 5$
Ⓓ $6 \times 5$

**4.** James told Lilly he baked 15 muffins on a rectangular pan. Which sentence could Lilly use to describe how the muffins were baked? **1 point**

Ⓐ James baked 15 rows of 15 muffins.
Ⓑ James baked 15 rows of 3 muffins.
Ⓒ James baked 5 rows of 3 muffins.
Ⓓ James baked 5 rows of 5 muffins.

**5.** Lucy has 9 nickels in her pocket. A nickel is worth 5 cents. Write an expression that represents how many cents Lucy has in her pocket. How much money does she have? **2 points**

$9 \times 5$
**45 cents**

**6.** Which number completes the equation? Select all that apply. **1 point**

_____ $\times 0 = 0$

☐ 9
☐ 5
☐ 2
☐ 1
☐ 0



**7.** Leon says that when any number between 1 and 9 is multiplied by 0, the product always has a 0 or 5 in the ones place. Is this reasonable? Explain. **2 points**

**No; Sample answer: The product of any number multiplied by 0 will have a 0 in the ones place.**

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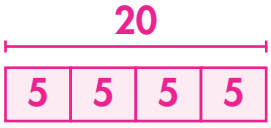
**8.** Elena has 4 jewelry boxes. She keeps 5 necklaces in each box. How many necklaces does Elena have? Use a bar diagram to represent the problem. **2 points**




**20 necklaces**

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**9.** A beaded bracelet has 3 different colored beads that make a pattern. The pattern repeats 10 times. Write and solve an equation to find the number of beads. **2 points**

**$10 \times 3 = 30$;**
**There are 30 beads.**

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**10.** Tara arranges her dimes into 4 rows and 9 columns. Morgan arranges her dimes into 9 rows and 4 columns. Who has more dimes? Explain. **2 points**

**Sample answer: They have the same number of dimes because of the Commutative Property; $4 \times 9 = 9 \times 4$.**

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**11.** Use the expression $5 \times ?$ where ? represents a factor between 1 and 9. What is true about the digit in the ones place of each product? Explain. **2 points**

**Sample answer: The ones place will always be 0 or 5 because all multiples of 5 will end in 0 or 5.**

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**12.** Tamika has 2 pies. She cuts each pie into 6 pieces. Write and solve an equation to find the number of pieces of pie that Tamika has. **2 points**

**$2 \times 6 = 12$; 12 pieces**

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**13.** Jaxson has 50 daisies to plant in window boxes. Each window box holds 10 flowers. How many window boxes does he need to buy? Explain how you found your answer. **2 points**

**Sample answer: I can use 10s facts to solve the problem. $5 \times 10 = 50$, so Jaxson needs 5 window boxes.**


 