**Applying Multiplication Properties Homework**

Explain how each property is useful when solving multiplication problems.

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| Commutative Property |  |
| Associative Property |  |
| Distributive Property |  |

Solve the following problems using one of the properties of multiplication.

1. Marta is training for a marathon. She runs 4 laps and each lap is 2 miles. Marta runs this amount each day for 3 days. How far does she run? Use the associative property to show another way she could run the same distance.

2. Cullen was unsure how to solve a particular multiplication fact, so he used “break aparts” to help him. See his work below:

 5 x 3 = 15

 3 x 3 = 9

 15 + 9 = 24

What multiplication fact did he solve? How do you know?