Amanda had 5 bags of marbles with 3 marbles in each.
Brad had 4 bags of marbles with 4 marbles in each. Who had more marbles?

**BASICS BOX**

Multiplication is like repeated addition, but faster. We can solve this problem by adding, but since the groups are equal it is easier to multiply.

Amanda 5 x 3 = 15 marbles

Brad 4 x 4 = 16 marbles

Brad has more.

5 x 3 = 15

factor factor product

**PRACTICE**

Rewrite each addition sentence as a multiplication fact.

1. 2 + 2 + 2 + 2 = _____ x _____ = _____

2. 3 + 3 + 3 = _____ x _____ = _____

3. 4 + 4 = _____ x _____ = _____

4. 5 + 5 + 5 + 5 = _____ x _____ = _____

5. 1 + 1 + 1 + 1 = _____ x _____ = _____

6. 6 + 6 + 6 = _____ x _____ = _____

7. 5 + 5 + 5 + 5 + 5 + 5 = _____ x _____ = _____

8. Rewrite the multiplication fact as repeated addition.

   4 x 7 = _____ + _____ + _____ + _____ = _____

**JOURNAL**

Give an example of how knowing a multiplication fact is more efficient than repeated addition.

**EXAMPLE**

6 x 4 = ?

\[ 4 + 4 + 4 + 4 + 4 + 4 = 24 \]
Introducing Multiplication

Label the parts of this equation.
1. \[ 7 \times 2 = 14 \]

Write a multiplication fact to match each addition sentence.
2. \[ 9 + 9 + 9 + 9 + 9 = _____ \times _____ = _____ \]
3. \[ 5 + 5 + 5 + 5 + 5 = _____ \times _____ = _____ \]
4. \[ 7 + 7 = _____ \times _____ = _____ \]
5. \[ 3 + 3 + 3 + 3 + 3 + 3 = _____ \times _____ = _____ \]
6. \[ 2 + 2 + 2 = _____ \times _____ = _____ \]
7. \[ 4 + 4 + 4 + 4 + 4 = _____ \times _____ = _____ \]
8. \[ 8 + 8 + 8 = _____ \times _____ = _____ \]

Write the repeated addition that matches each multiplication fact.
9. \[ 2 \times 5 = _____ + _____ = _____ \]
10. \[ 5 \times 2 = _____ + _____ + _____ + _____ + _____ = _____ \]
11. \[ 7 \times 3 = _____ + _____ + _____ + _____ + _____ + _____ = _____ \]
12. \[ 6 \times 7 = _____ + _____ + _____ + _____ + _____ + _____ = _____ \]

13. Joe has 7 boxes with 5 pencils in each box. How many pencils does he have? _____
14. Robin earned $5 every day for 8 days. How much money did she earn? _____