

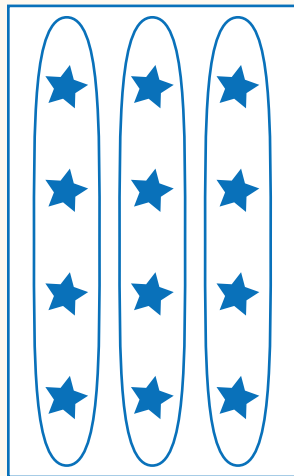
Understand Multiplication as a Comparison



Dear Family,

This week your child is exploring multiplication as a comparison.

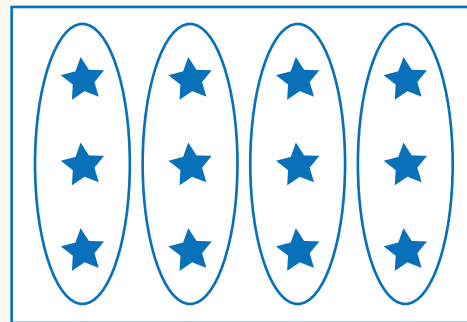
Your child is learning about multiplication as a way to compare two numbers.



This model shows that **12 is 3 times as many as 4.**

You can write the comparison as a multiplication equation:

$$12 = 3 \times 4$$

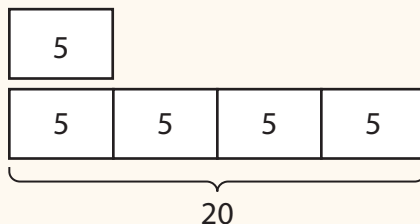


This model shows that **12 is 4 times as many as 3.**

You can write the comparison as a multiplication equation:

$$12 = 4 \times 3$$

Your child is also learning how to use bar models to help understand multiplication as a comparison.



This bar model shows that 20 is 4 times as many as 5: $20 = 4 \times 5$.

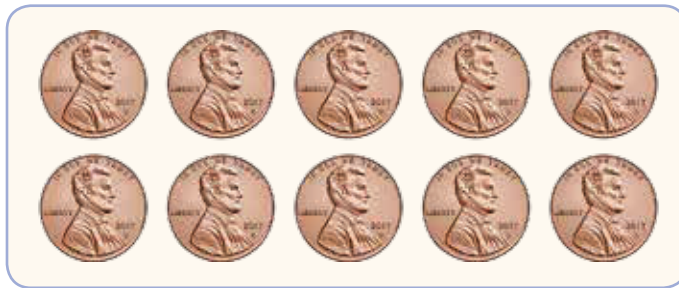
Invite your child to share what he or she knows about multiplication as a comparison by doing the following activity together.

ACTIVITY MULTIPLICATION AS A COMPARISON

Do this activity with your child to explore multiplication as a comparison.

Materials 20 pennies or other identical small objects

- With your child, arrange 10 pennies to show that 10 is 2 times as many as 5. The pennies should look like this:



- Now ask your child to arrange 10 pennies to show that 10 is 5 times as many as 2. (The pennies should be arranged in 5 rows with 2 pennies in each row.)
- Repeat the activity, asking your child to arrange pennies to show other multiplication comparisons.

Examples:

- 14 is 7 times as many as 2.
- 14 is 2 times as many as 7.
- 18 is 6 times as many as 3.
- 18 is 3 times as many as 6.

Look for real-life opportunities to explore multiplication as a comparison of two numbers with your child.

