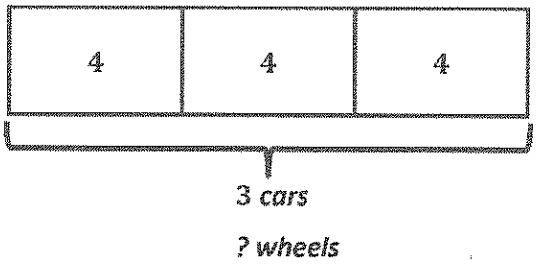
G3-M1-Lesson 14

1. Mrs. Smith replaces 4 wheels on 3 cars. How many wheels does she replace? Draw and label a tape diagram to solve.



I can draw a tape diagram with 3 units to represent the 3 cars. Each car has 4 wheels, so I can label each unit with the number 4. I need to find the total number of wheels.

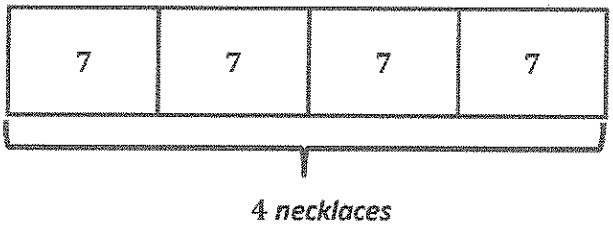
4, 8, 12

$3 \times 4 = 12$

I can skip-count by fours or multiply 3×4 to find how many wheels Mrs. Smith replaces.

Mrs. Smith replaces 12 wheels.

2. Thomas makes 4 necklaces. Each necklace has 7 beads. Draw and label a tape diagram to show the total number of beads Thomas uses.



I can draw a tape diagram with 4 units to represent the 4 necklaces. I can label each unit in the tape diagram to show that every necklace has 7 beads. I need to find the total number of beads.

7, 14, 21, 28

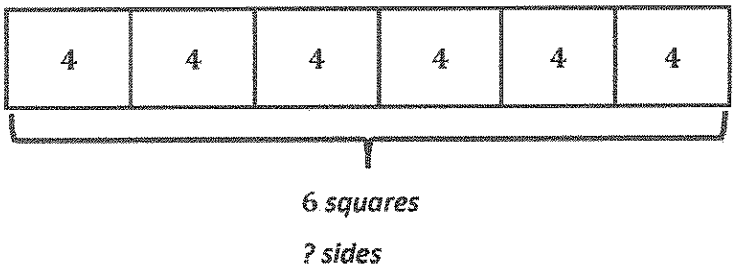
4, 8, 12, 16, 20, 24, 28

$4 \times 7 = 28$

I can skip-count 4 sevens, but sevens are still tricky for me. I can skip-count 7 fours instead! I can also multiply 4×7 to find how many beads Thomas uses.

Thomas uses 28 beads.

3. Find the total number of sides on 6 squares.



I can draw a tape diagram with 6 units to represent the 6 squares. All squares have 4 sides, so I can label each unit with the number 4. I need to find the total number of sides.

4, 8, 12, 16, 20, 24

$6 \times 4 = 24$

I can skip-count 6 fours or multiply 6×4 to find the total number of sides on 6 squares.

There are 24 sides on 6 squares.