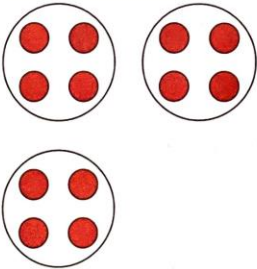
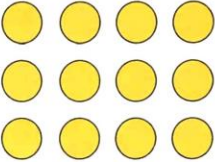
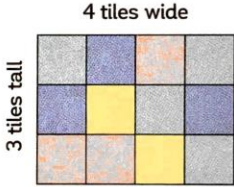
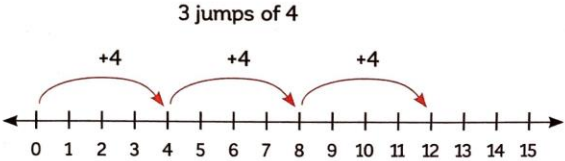


3rd Grade Multiplication Parent Cheat Sheet

Quick Points:

- Use pictures and manipulatives
- Use numbers between 0-100
- No algorithm until 4th grade
- Use word problems for context, including area
- Know the different in models based on context. 3x5 vs. 5x3

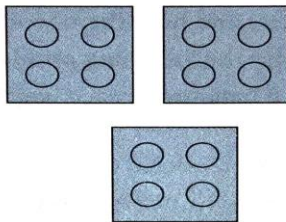
Strategies you may see:

Problem	Type of Model	Model
There were 3 bags with 4 apples in each bag. How many apples were there?	Equal groups	
There were 3 rows with 4 tulips in each row. How many tulips were there?	Array	
The rectangle was 4 square tiles wide and 3 square tiles tall. How many square tiles were in the rectangle?	Area model	
Bailey ran on Monday, Tuesday, and Wednesday. Each day she ran 4 miles. How many miles did she run?	Jumps on number line	

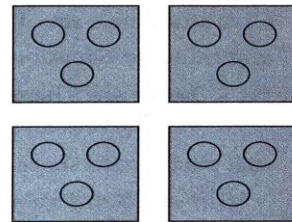
Problem Context

There were 3 teams with 4 players on each team. How many players were there?

Model A: Correct Model



Model B: Incorrect Model



Questions? Contact Michelle Mohler, IRT at mmohler@ccboe.com