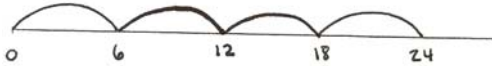


Multiplication in 3rd Grade

Jumping on a Number Line

$$4 \times 6$$



Jump 4 groups of 6

Number Patterns on a T-Chart

$$4 \times 7$$

1	7
2	14
3	21
4	28

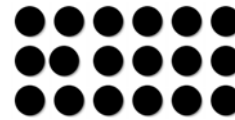
Making Groups

$$4 \times 6$$



Dot Arrays

$$6 \times 3 = 18$$



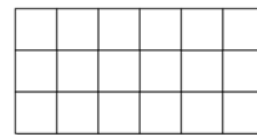
Skip Counting

$$6 \times 3$$

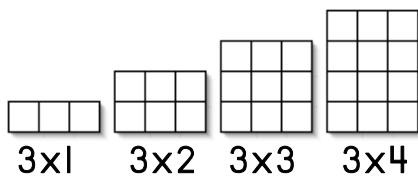
3, 6, 9, 12, 15, 18

Square Array

$$6 \times 3 = 18$$



Visual Patterns



Repeated Addition

$$6 \times 3$$

“That’s 6 groups of 3”

$$3 + 3 + 3 + 3 + 3 + 3 = 18$$

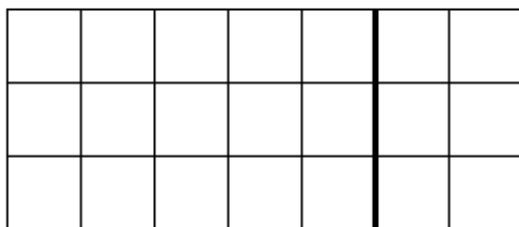
More Thinking About Multiplication in 3rd Grade

Breaking Up Arrays

$$7 \times 3 = 21$$

$$5 \times 3$$

$$2 \times 3$$

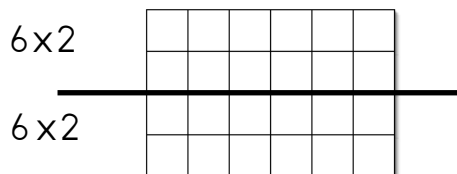


$$7 \times 3 = (5 \times 3) + (2 \times 3)$$

$$15 + 6 = 21$$

Clustering

$$6 \times 4 = 24$$



$$6 \times 4 = (6 \times 2) + (6 \times 2)$$

$$6 \times 4 = 12 + 12$$

$$6 \times 4 = 24$$

Landmark Numbers

$$7 \times 6$$

“I know $7 \times 5 = 35$

and $35 + 7 = 42$

So $7 \times 6 = 42$ ”

