**★MSTAR**
INTERVENTION

**Display Master: Key Ideas: Relationship of Addition to Multiplication**

- Multiplication can be thought of as repeated addition, the joining equal groups.

- Multiplication is equivalent to adding a number to itself a particular number of times.

**Display Master: Grouped Objects Picture**
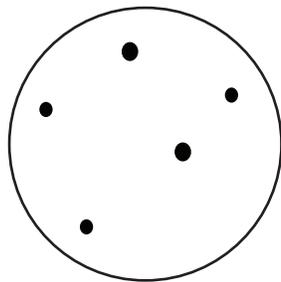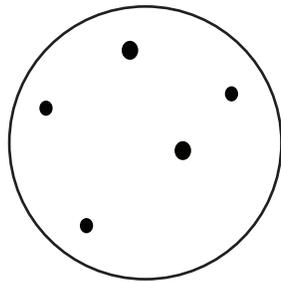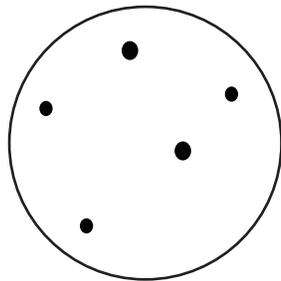


5 + 5 + 5

is equal to 3 x 5
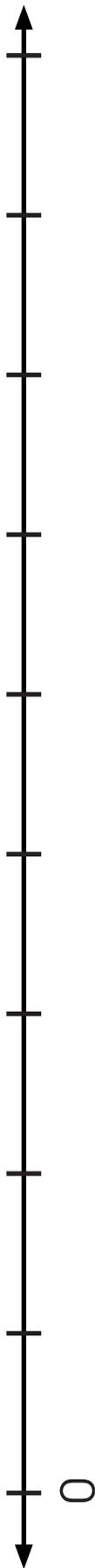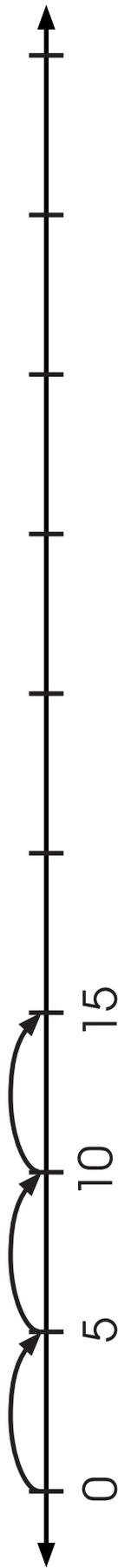
**DM**
**Display Master**

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**Display Master: Number Line by 5s A**

0

☆M STAR
INTERVENTION

**Display Master: Number Line by 5s B**

0    5    10    15

☆M STAR
INTERVENTION

**Display Master: Number Line by 5s C**

5        + 5       + 5       + 5

0        5        10        15

**MSTAR**
INTERVENTION

**DM**
**Display Master**

**Display Master: Number Line by 5s D**

| | +5 | +5 | +5 | +5 | +5 | +5 | +5 | +5 |
|---|---|---|---|---|---|---|---|---|
| 5 | | | | | | | | |

| 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
|---|---|---|---|---|---|---|---|---|---|
| | 1×5 | 2×5 | 3×5 | 4×5 | 5×5 | 6×5 | 7×5 | 8×5 | 9×5 |

# ☆MSTAR
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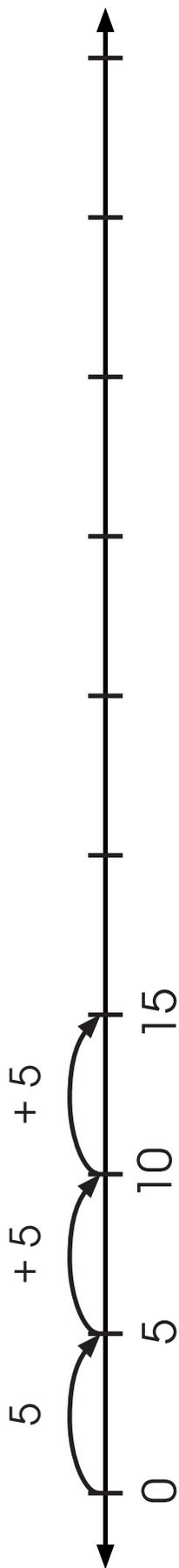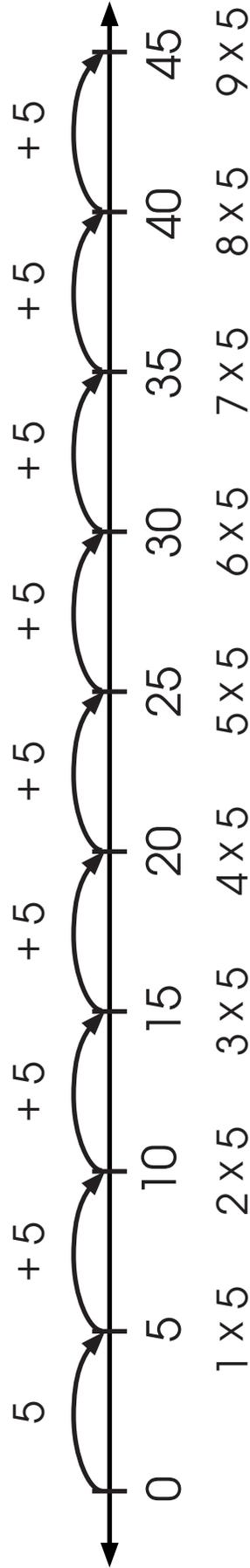
## Display Master: Car Problem

Evan needs to pack some model cars. He just finished packing 8 cars in 1 box. He has 6 boxes. Evan uses a number line and chart to help him determine the number of cars he can pack. How many cars can he pack if he has 6 boxes? How do you know?



| Boxes | Cars | Addition Sentence | Multiplication Equation | Total Cars | Think Aloud |
|---|---|---|---|---|---|
| 1 | 8 | | | 8 | 1 box of 8 cars is equal to 8 total cars. |
| 2 | 8 | | | 16 | 2 groups of 8 can be thought of as 8 + 8 or 2 x 8, which equal 16. |
| 3 | 8 | | | 24 | ___ groups of 8 can be thought of as _____ or _____, which equal ___. |
| | 8 | | | | ___ groups of 8 can be thought of as _____ or _____, which equal ___. |
| | 8 | | | | ___ groups of 8 can be thought of as _____ or _____, which equal ___. |

## Display Master: Car Problem (cont.)

| Boxes | Cars | Addition Sentence | Multiplication Equation | Total Cars | Think Aloud |
|---|---|---|---|---|---|
| | 8 | | | | ___ groups of 8 can be thought of as _____ or _____, which equal ___. |
| | 8 | | | | ___ groups of 8 can be thought of as _____ or _____, which equal ___. |