



NAME _____

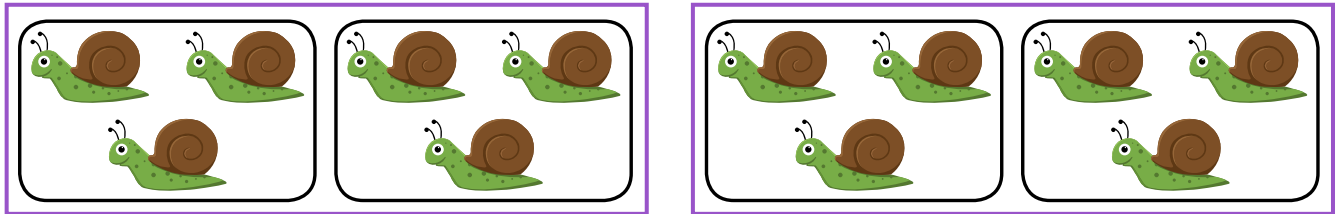
DATE _____

FOUNDATION OF MULTIPLICATION/DIVISION

Use math drawings to represent equal groups and relate to repeated addition.

Example:

Write an addition sentence to match the picture. Then re-bundle to show a more efficient way to add.



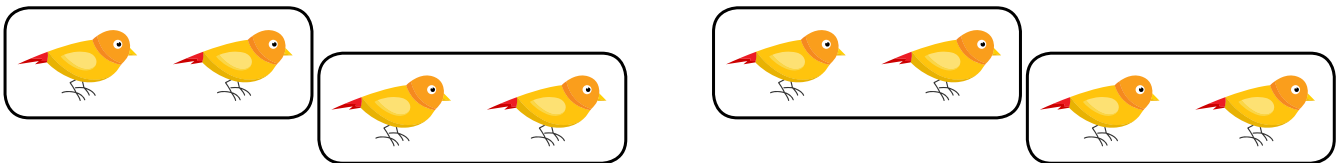
Solution:

$$\underline{3} + \underline{3} + \underline{3} + \underline{3} = \underline{12}.$$

$$\underline{6} + \underline{6} = \underline{12}.$$

$$= 4 \text{ groups of } \underline{3} = 2 \text{ groups of } \underline{6}.$$

2) Write an addition sentence to match the picture. Then re-bundle to show a more efficient way to add.



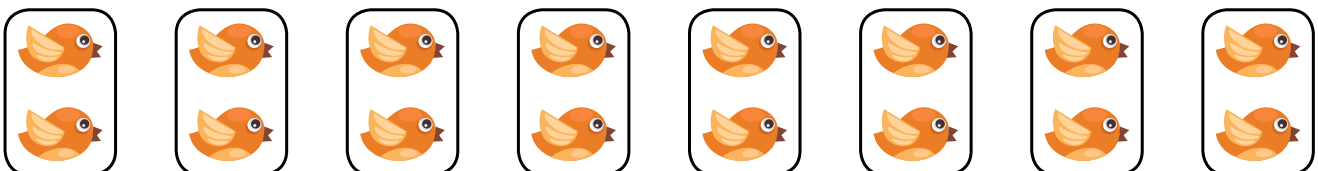
Solution:

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}.$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}.$$

$$= 4 \text{ groups of } \underline{\quad} = 2 \text{ groups of } \underline{\quad}.$$

3) Write an addition sentence to match the picture. Then re-bundle to show a more efficient way to add.



Solution:

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}.$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$= 8 \text{ groups of } \underline{\quad} = 4 \text{ groups of } \underline{\quad}.$$