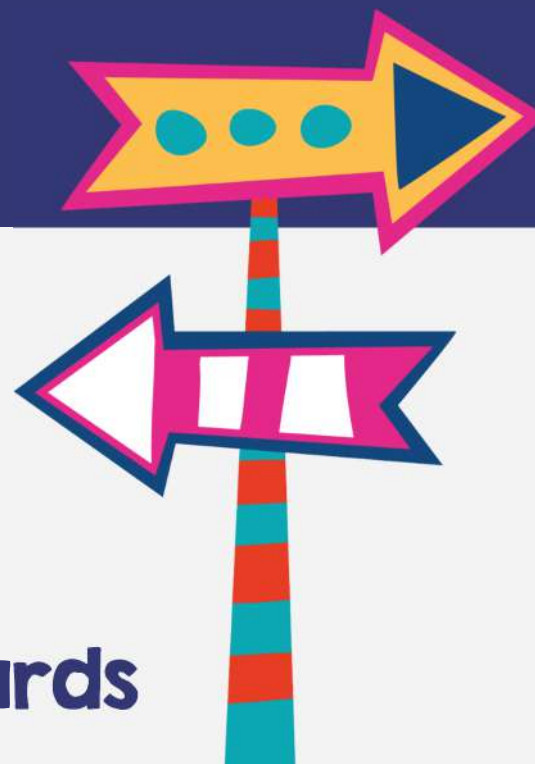


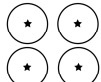

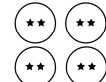
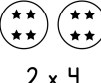






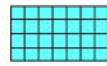

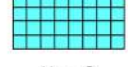


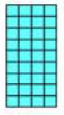
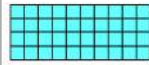
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Developing Fact Fluency

4s Facts Scaffolding Flashcards



 4×1	 1×4	 4×2
 2×4	 $4 \times$	 $4 \times$
 4×4	 $4 \times$	 4×6
	 6×4	 4×7
	 7×4	 4×8
	 8×4	 4×9
	 9×4	 4×10

Multiplication Fact
Fluency

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Scaffolding Multiplication Fact Flashcards: 4s Facts

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Rationale:

Flashcard use is an important part of basic fact practice. Practice should be done at the concrete, semi-concrete/pictorial, and abstract levels (in that order). This process is referred to as CSA or CPA.

Concrete—A student uses fact cards (with the numbers and symbols), BUT he/she physically models a strategy using manipulatives/tools.

Semi-concrete/Pictorial—A student uses **scaffolding flashcards**—those with a basic fact and visual representation of a strategy.

Abstract—A student uses fact cards with the numbers and symbols only. The goal is not to drill BUT to know products from memory.

At whatever flashcard level my students are practicing, I always expect them to talk to each other about what strategy they are using or use self-talk when working alone.

Scaffolding Multiplication Fact Flashcards: 4s Facts

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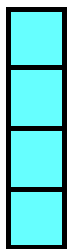
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- The following multiplication fact cards are used to **scaffold** students from concrete representation of facts (using manipulatives) to abstract understanding (using a strategy and/or saying the answer when given a fact without using manipulatives or pictures). These cards provide pictorial representation of various strategies that are an important “stepping stone”.
- When working as partners, students should always explain their thinking/reasoning to one another aloud.
- Simply write the sums in pencil on the back of each card. All cards can also be printed in grayscale.

Font courtesy of [KG Fonts](#).

Cover Arrow Graphic Courtesy of

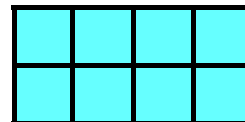
[Lettering Delights](#)



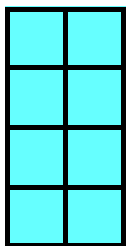
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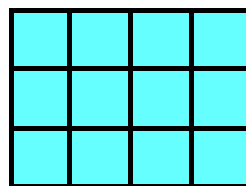
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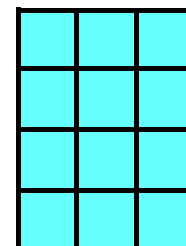
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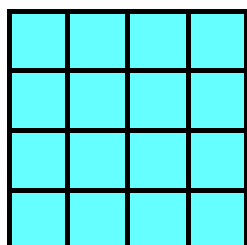
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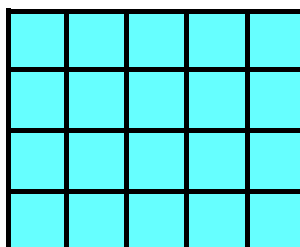
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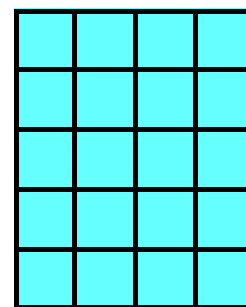
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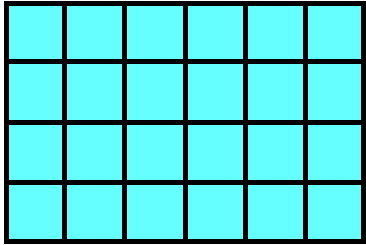
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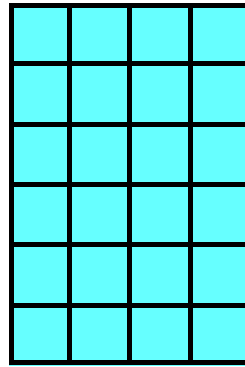
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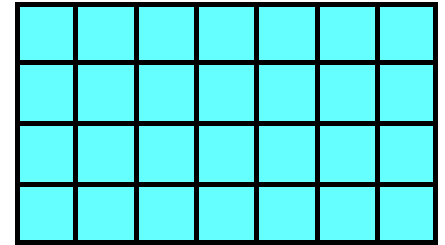
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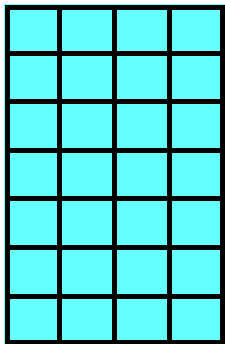
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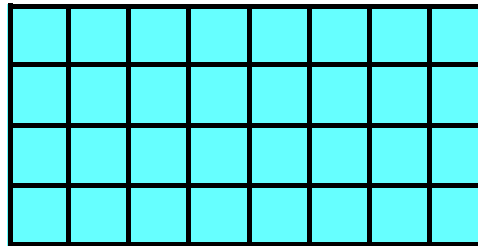
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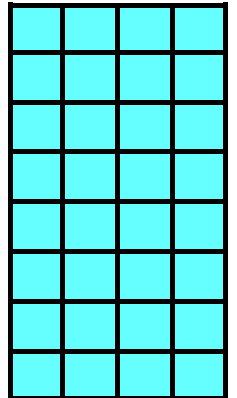
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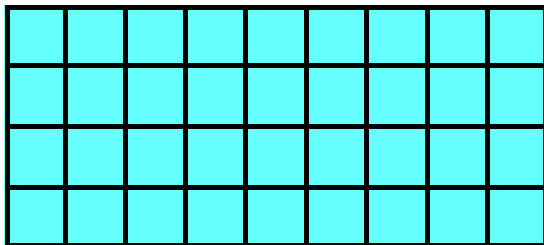
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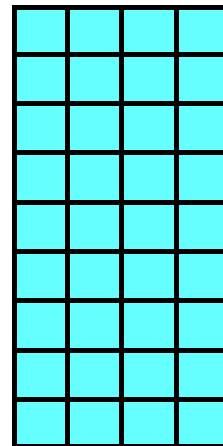
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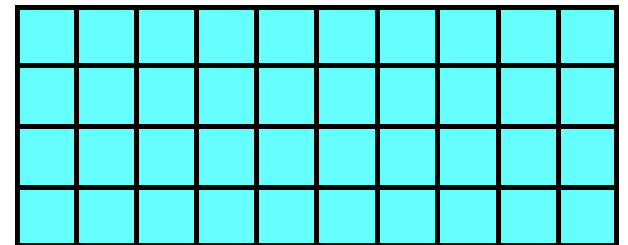
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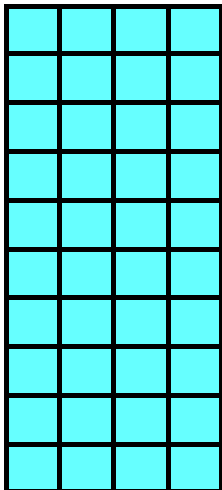


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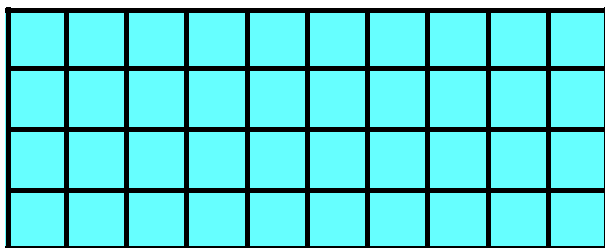


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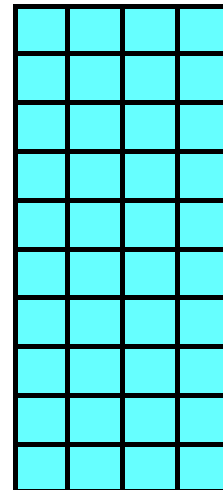
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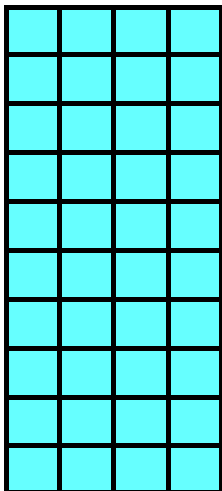
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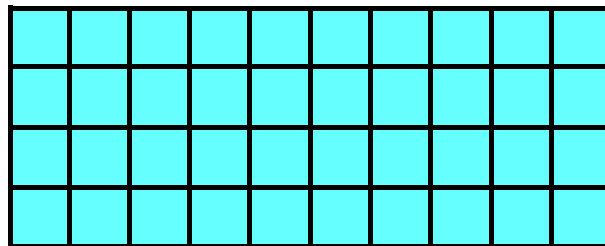
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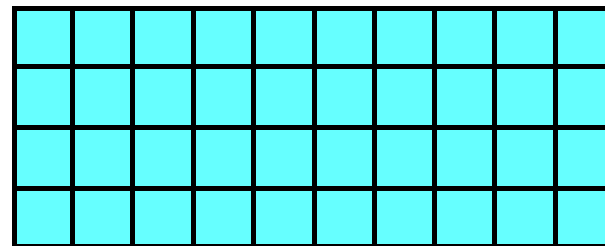
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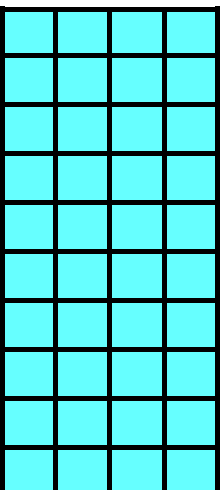
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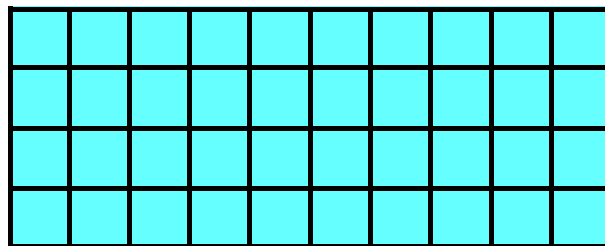
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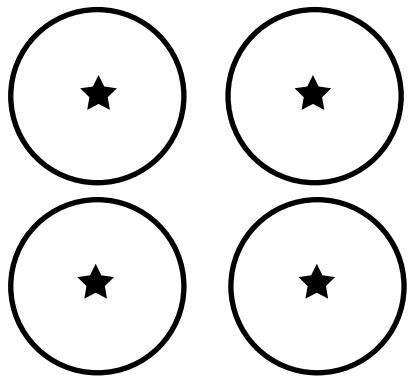
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4s Multiplication

Arrays

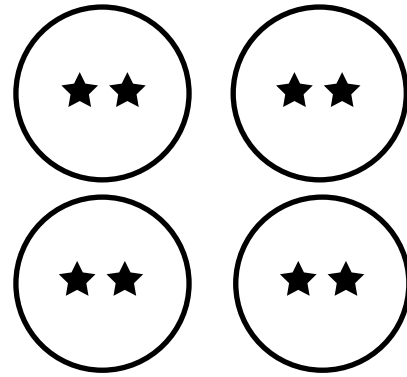
Print on cardstock, cut, and
laminate for extended use.



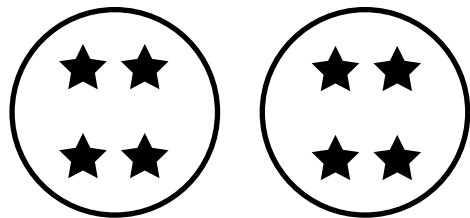
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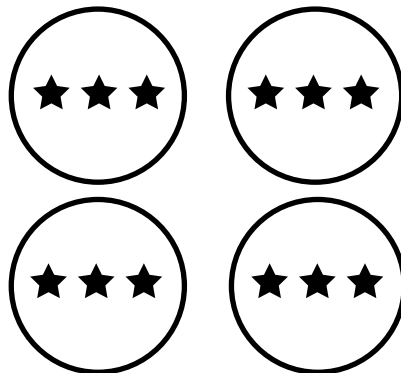
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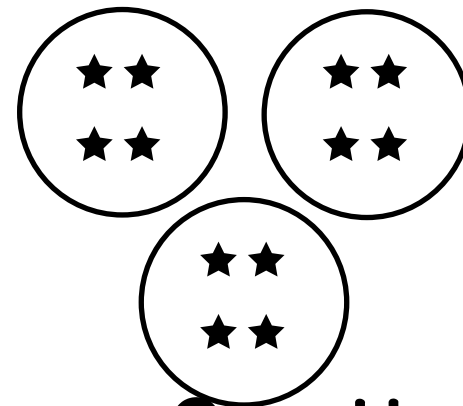
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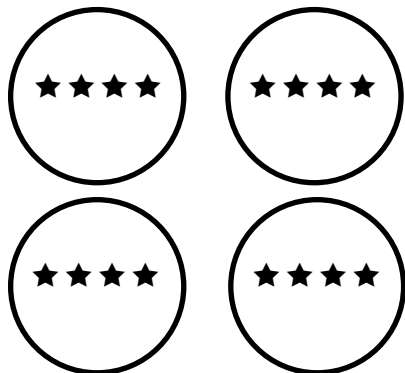
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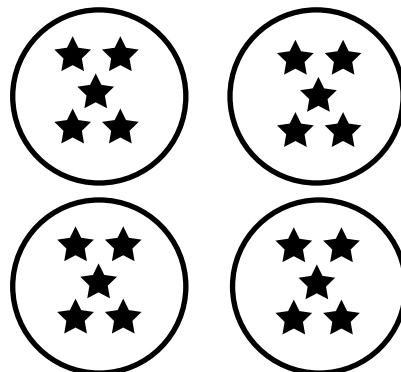
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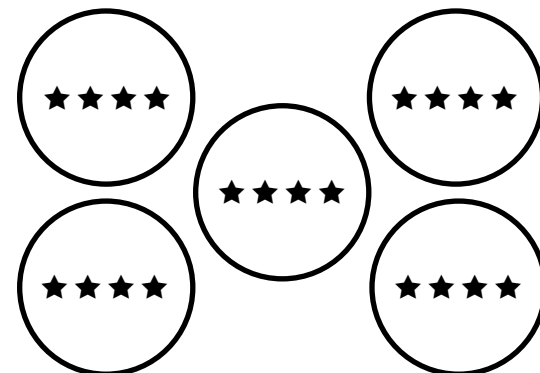
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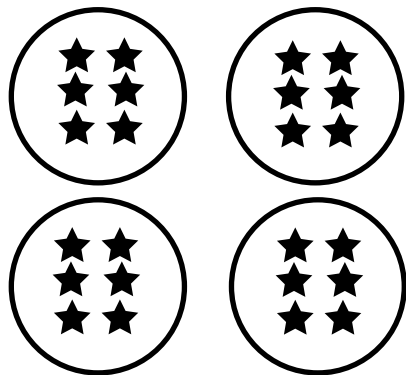
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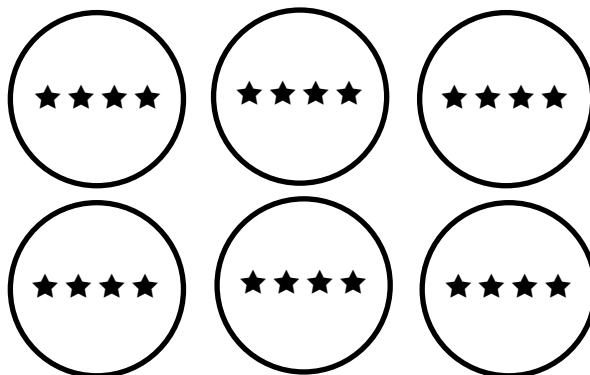
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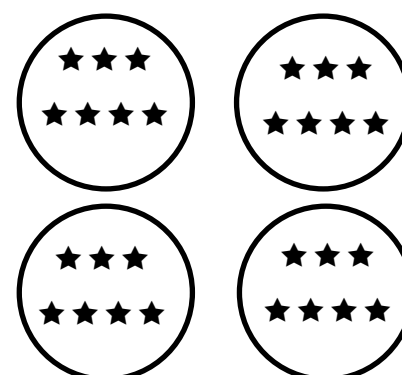
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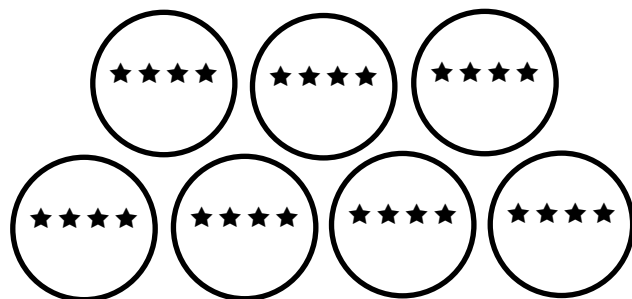
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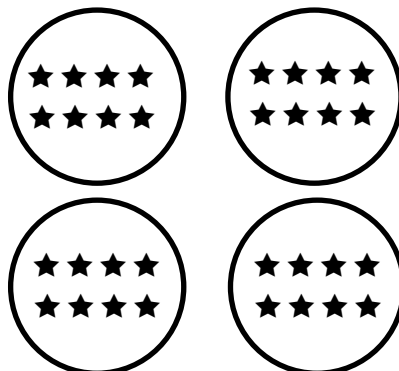
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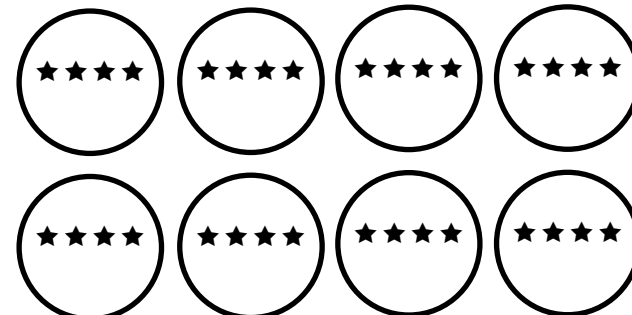
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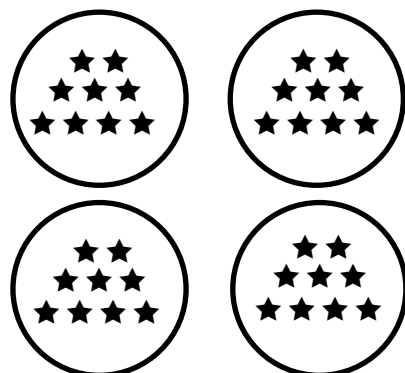
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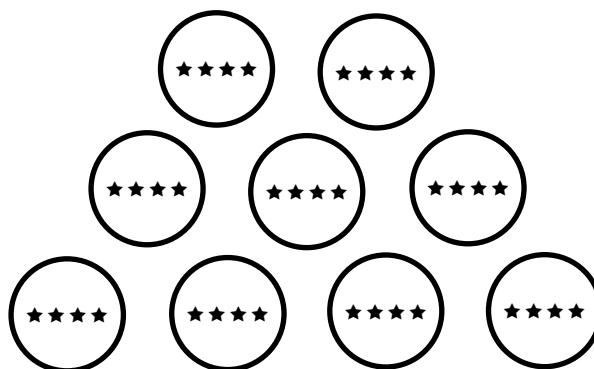
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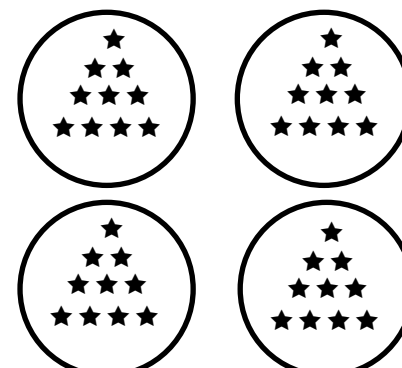
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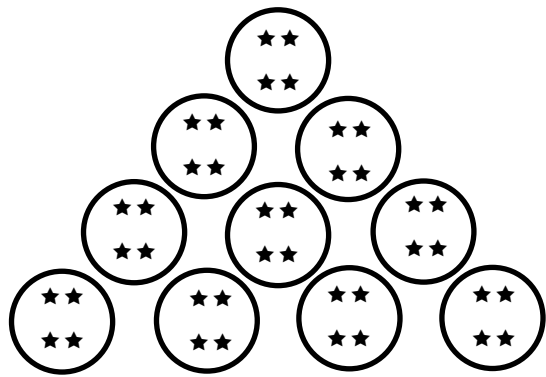
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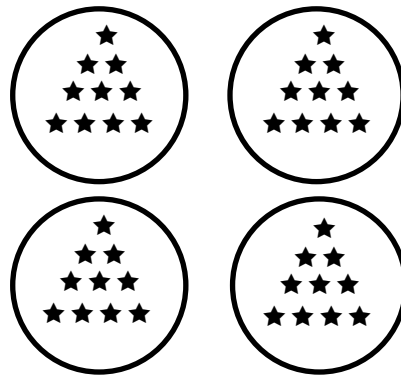
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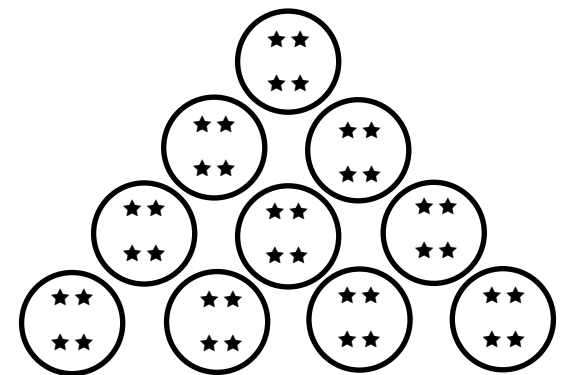
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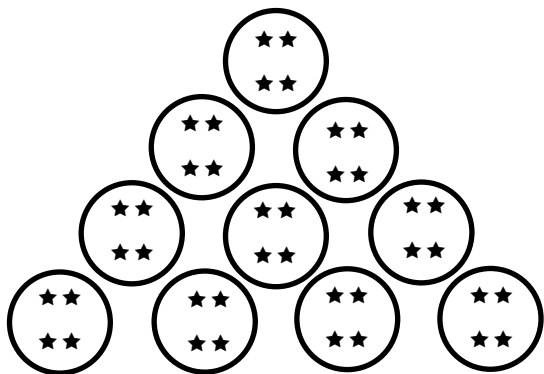
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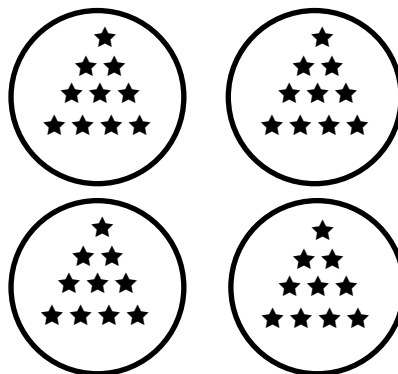
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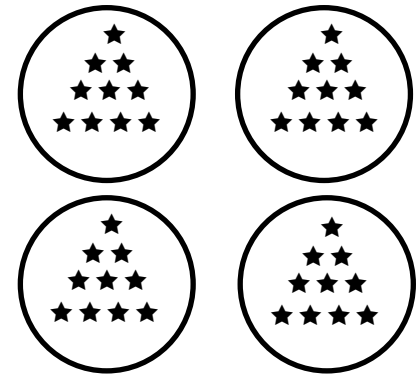
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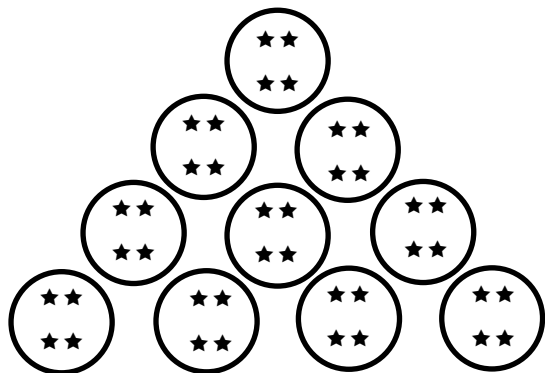
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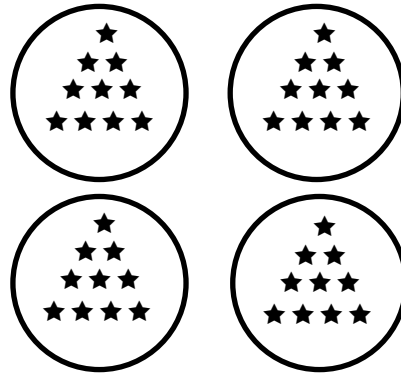
$$4 \times 10$$



$$4 \times 10$$



$$10 \times 4$$



$$4 \times 10$$

4s Multiplication

Equal Groups

Print on cardstock, cut, and
laminate for extended use.