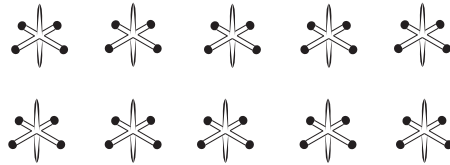





Groupings and Number Sentences

The game Jacks is played with ten jacks, which are small metal stars. A player throws a small ball into the air, picks up one jack, and catches the ball before it bounces twice. The player continues, picking up one jack at a time until all 10 jacks have been picked up. If successful, the player picks up groups of two, three, and so on. The first person to complete all group sizes is the winner.



Ten Objects

Fill in the missing drawings, numbers, and number sentences. You will be working with ten objects. Use counters or connecting cubes if you need to.

Group Size	Drawings and Words	Number Sentence
1	 10 groups of 1 with 0 left over	$10 \times 1 = 10$
2	 5 groups of 2 with 0 left over	$5 \times 2 = 10$
3	 3 groups of 3 with 1 left over	$\underline{\quad} \times 3 + 1 = 10$
4	___ groups of 4 with ___ left over	$\underline{\quad} \times 4 + \underline{\quad} = 10$
5	___ groups of 5 with ___ left over	$\underline{\quad} \times 5 + \underline{\quad} = 10$
6	___ groups of 6 with ___ left over	$\underline{\quad} = 10$

Fifteen Objects

Fill in the missing drawings, numbers, and number sentences. You will be working with fifteen objects. Use counters or connecting cubes if you need to.

Group Size	Drawings and Words	Number Sentence
1	* * * * * 15 groups of 1 with 0 left over	$15 \times 1 = \underline{\quad}$
2	** ** ___ groups of 2 with ___ left over	$\underline{\quad} \times 2 + 1 = 15$
3	*** ** ___ groups of 3 with ___ left over	$\underline{\quad} \times 3 + \underline{\quad} = 15$
4	___ groups of 4 with ___ left over	$\underline{\quad} \times 4 + \underline{\quad} = 15$
5	___ groups of 5 with ___ left over	$\underline{\quad} \times 5 + \underline{\quad} = 15$
6	___ groups of 6 with ___ left over	$\underline{\quad} \times 6 + \underline{\quad} = 15$
7	___ groups of 7 with ___ left over	$\underline{\quad} \times 7 + \underline{\quad} = 15$
8	___ groups of 8 with ___ left over	$\underline{\quad} \times 8 + \underline{\quad} = 15$