Assessment : Section A Checkpoint

Problem 1

Goals Assessed

- Determine whether a group of objects (up to 20) has an odd or even number of members.

Statement

Lin has 15 socks. Can Lin put all the socks in pairs with no socks leftover? Explain or show your reasoning.

Solution

No, she can make 7 pairs of socks and that makes $7 + 7$ or 14 socks but then there is 1 sock left over.

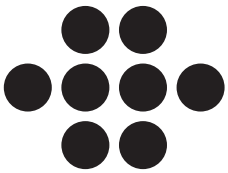
Problem 2

Goals Assessed

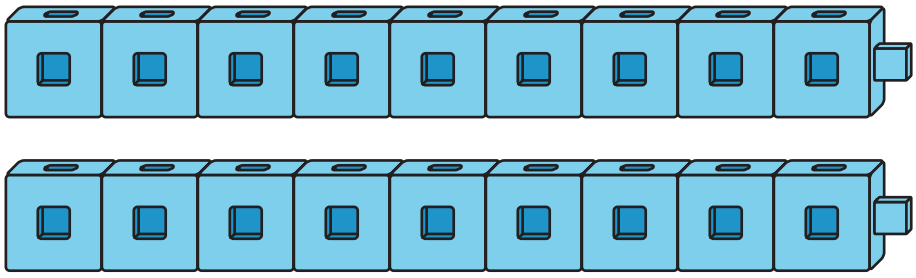
- Determine whether a group of objects (up to 20) has an odd or even number of members.

Statement

1. Is there an even or odd number of dots? Explain your reasoning.



2. Is there an even or odd number of connecting cubes? Explain your reasoning.



Solution

1. Even, because I can put the circles into 4 pairs.

2. Even, because each connecting cube in one tower matches with a connecting cube in the other tower.

Problem 3

Goals Assessed

- Write an equation to express an even number as a sum of two equal addends.

Statement

Andre has 18 pencils. Write an equation with two equal addends to show that Andre has an even number of pencils.

_____ + _____ = _____

Solution

$9 + 9 = 18$