Equal Groups: End-of-Unit-Assessment

1. Han and Priya each have some pencils. Han has the same number of pencils as Priya. Select **3** statements which could be true.

   A. Han has an odd number of pencils.

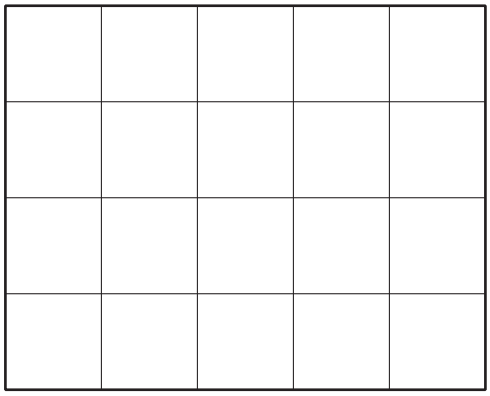
   B. Priya has an even number of pencils.

   C. Han has an odd number of pencils and Priya has an even number of pencils.

   D. Han and Priya together have an odd number of pencils.

   E. Han and Priya together have an even number of pencils.

2. Mai split the rectangle into equal-size squares. Select **3** correct statements about the diagram.



A. The total number of equal-size squares is $5 + 5 + 5 + 5$.

B. The total number of equal-size squares is $4 + 4 + 4 + 4$.

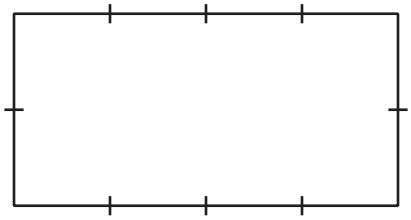
C. The total number of equal-size squares is $5 + 5 + 5 + 5 + 5$.

D. The total number of equal-size squares is $4 + 4 + 4 + 4 + 4$.

E. The total number of equal-size squares in the array is even.

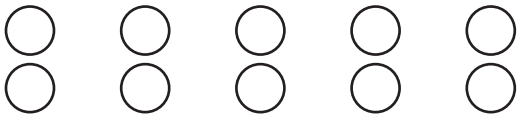
F. The total number of equal-size squares in the array is odd.

3. a. Draw lines so the rectangle is completely filled with equal-size squares.

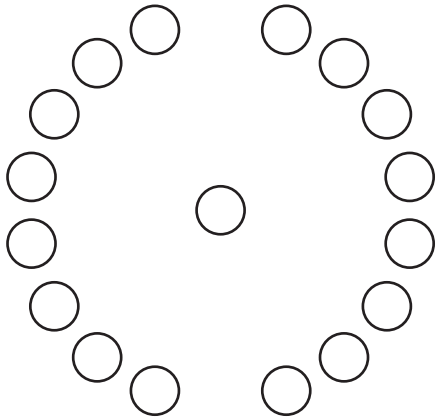


b. How many equal-size squares are there?

4. For each image, determine whether there are an even or odd number of circles. Explain your reasoning.

a. 

b.



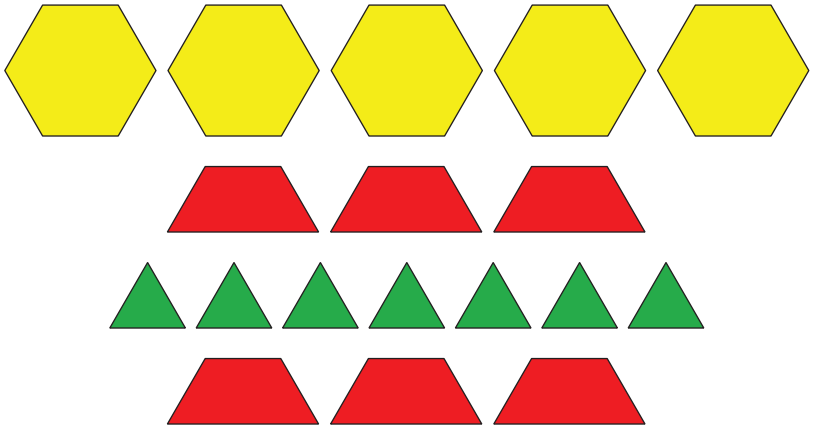
5. For each number, decide whether the number is even or odd. Write each even number as the sum of 2 equal addends.

   a. 6

   b. 11

   c. 14

6. Here are some pattern blocks that Jada and Diego want to share.



a. Explain why there are an even number of trapezoids.

b. Jada says that she and Diego can share the pattern blocks so they each have 9 pattern blocks. Explain why Jada is correct.

c. Can Jada and Diego share all of the pattern blocks so that they each have the same set of pattern block shapes? Explain or show your reasoning.