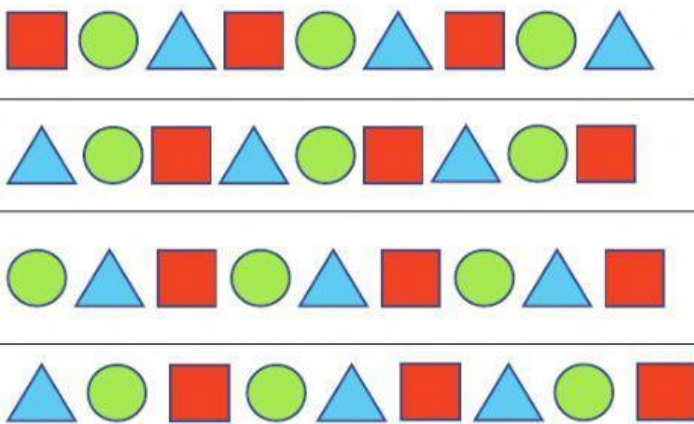


Shape and Number Patterns

1. Morris is making a pattern. What will the 16th shape in this pattern be?



2. Remy is going to make a pattern with the rule triangle, circle, square. What are the first 9 shapes in the pattern?



3. He notices that the 3rd, 6th, and 9th shapes are all squares. He guesses that the 12th and the 15th shapes will be squares because they are multiples of 3, and there are 3 shapes in the repeated part. Is his guess correct?

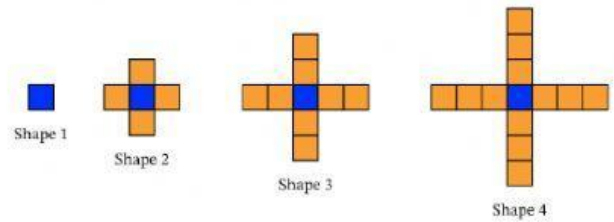
YES

NO

4. What will the 31st shape be?



5. Kenzie has made this pattern. Look at her pattern and choose the correct rule.



6. Write the next number in the pattern.

a. 4, 7, 10, 13, 16, _____

b. 22, 32, 42, 52, _____

c. 36, 29, 22, 15, 8, _____

7. Fill in the missing number in each pattern, then write the pattern's rule.

a. 2, 8, 14, _____, 26, _____

Rule: _____

b. 97, 88, 79, _____, _____, 52

Rule: _____

c. 13, 25, _____, 49, _____, 73

Rule: _____