

4 Exploring Special Types of Numbers

Your Turn Questions

1.
 - a) List the first ten multiples of 4.

 - b) List the first ten multiples of 5.

 - c) List the first five multiples of both 4 and 5.

 - d) What do you notice about the numbers in part c)?

2.
 - a) List six numbers that are the product of two numbers that are 2 apart. You can start with the number 3, since $3 - 1 = 2$ and $3 = 3 \times 1$.

 - b) Order the six numbers from least to greatest.

 - c) What do you notice about the numbers?

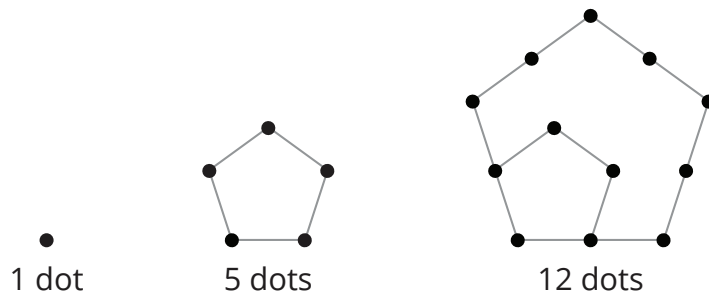
 - d) Add 1 to each number in your list in part b).
What do you notice about the numbers now?

4 Exploring Special Types of Numbers

Your Turn Questions (continued)

3. Name and describe a new type of number.
List two or more examples of your type of number.

4. A pentagonal number is in the pattern 1, 5, 12, 22, 35,
Here are models of the first three pentagonal numbers.



Which number below is **not** pentagonal?

- A 10
- B 12
- C 70
- D 51