

# Year 5 Patterns & Data Worksheet



1. Type the missing number in this sequence:

1, 4, , 64, 256

2. Type the missing number in this sequence:

3, 9, , 81, 243

3. Type the next number in this sequence:

1, 1, 3, 7, 13,

4. Type the next number in this sequence:

1, 2, 4, 7, 11, 16, 22,

5. What is the next number in this pattern?

**Rule: multiply by 5, then subtract 2**

2, 8, 38, 188, 938, ...

6. The teacher gave 12 gold stickers to the first student, 24 gold stickers to the second student, 36 gold stickers to the third student, and 48 gold stickers to the fourth student. If this pattern continues, how many gold stickers will the teacher give to the fifth student?

7. Daniel put 1 eraser in the first box, 3 erasers in the second box, 9 erasers in the third box, 27 erasers in the fourth box, and 81 erasers in the fifth box. If this pattern continues, how many erasers will Daniel put in the sixth box?

8. Look at this table:

Stock prices		
Company	Monday	Tuesday
Computer Data Company	\$19	\$7
Green and Company	\$13	\$13
Alan Corporation	\$19	\$17
Jenny Company	\$20	\$16
Robinson Sporting Goods	\$15	\$13

On Tuesday, how much more did Jenny Company's stock cost than Robinson Sporting Goods's stock?

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9. Look at this table:

Population per square mile		
State	2000	2010
Michigan	10	18
Texas	4	5
Montana	5	6
North Dakota	9	10

In 2010, which of the states shown had the lowest number of people per square mile?

- A. Texas
- B. Montana
- C. North Dakota
- D. Michigan

10. Look at this table:

Ferry fares		
Ferry	Bicycle	Car
Southport-Fort Fisher	\$2	\$5
Ocracoke	\$3	\$15
Fauntleroy-Vashon	\$5	\$15

Which charges more for a bicycle, the Fauntleroy-Vashon ferry or the Southport-Fort Fisher ferry?

11. Look at this frequency chart:

Doctor visits last year	
Number of trips	Frequency
0	16
1	17
2	4
3	13
4	2
5	12

How many patients went to the doctor at least 3 times?