









Name: _____

Date: _____

1. These two patterns follow the same rule.

#1	11	22	11	33
#2	 	 	 	 

Which of the patterns below follows the same rule?

- A. AA BB AA BB
 - B. AA BB AA CC
 - C. AA CC AA AA
 - D. CC CC BB CC
-

2. Ms. Calvin is playing a "Guess My Rule" game with her students. When a student says a number, she says another number which she finds by using her rule.

Student's Numbers	Ms. Calvin's Responses
16	9
10	3
13	6
9	2

What is Ms. Calvin's rule?

- A. add 7
 - B. subtract 7
 - C. add 8
 - D. subtract 8
-

3.

Use the number pattern below to answer this question.

327, 331, 335, 339, 343, ____

Which number comes next?

- A. 344
 - B. 345
 - C. 346
 - D. 347
-

4. A few of the students are selling lemonade at the basketball game. Mr. Ying buys five cups of lemonade. How much does he pay for all five cups?

What information do you need to solve the problem?

- A. Three girls sell lemonade.
 - B. The paper cups cost 2¢ each.
 - C. Each box holds 8 paper cups.
 - D. Lemonade costs 25¢ a cup.
-

5. Which number has the greatest value?

- A. 7, 864
 - B. 7, 684
 - C. 7, 846
 - D. 7, 648
-

6. Which will give an answer greater than 100?

- A. $100 - 50$
 - B. $125 - 75$
 - C. $150 - 100$
 - D. $200 - 75$
-

7. The number 480 is between which two numbers?

- A. 478 and 479
 - B. 479 and 481
 - C. 481 and 482
 - D. 480 and 490
-

8. Danny and Julie have new sticker books. Danny will put 4 stickers in his book every day and Julie will put 6 stickers in her book every day. How many stickers will Danny have when Julie has 30 in her book?

(Hint: To find the answer, use this table.)

DAY	DANNY	JULIE
1	4	6
2	8	12
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____

- A. 20
 - B. 24
 - C. 30
 - D. 36
-

9. Ralph and Kim are talking about some large numbers they are studying in math class. Which number is 100 more than 529?

- A. 639
 - B. 629
 - C. 549
 - D. 539
-

10. Donald is thinking of a number between 87 and 100. The number is not 87, 89, 92, 97, 98, or 100. How many numbers are left to guess?

- A. 6
- B. 7
- C. 8
- D. 10

Answer Key

1. B) AA BB AA CC

2. B) subtract 7

3. D) 347

4. D) Lemonade costs 25 a cup.

5. A) 7, 864

6. D) 200 - 75

7. B) 479 and 481

8. A) 20

9. B) 629

10. C) 8