

Name: _____ Date: _____

THIRD GRADE – MATH (MATH3_4)

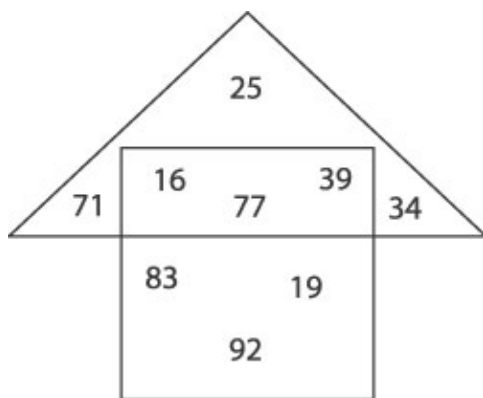
1. Danny and Julie have new sticker books. Danny will put 4 stickers in his book every day and Julie will put 6 stickers in her book every day. How many stickers will Danny have when Julie has 30 in her book?

(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

2. Use the figure below to answer this question.



Which is the greatest odd number that is in the triangle but not in the square?

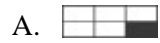
- A. 25
- B. 71
- C. 77
- D. 83

3.

Use the figures below to answer this question.



Which figure comes NEXT in the pattern above?



4.

Use the pattern below to answer this question.

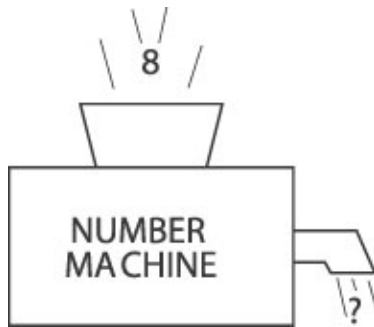
11, 14, 17, 20, 23, 26, 29, ____

Which number comes next?

- A. 30
- B. 31
- C. 32
- D. 33

5.

Use the picture below to answer this question.



When numbers are put into the machine above, the numbers are changed and are different when they are pulled out. Here is the pattern:

If a 3 goes in, an 18 comes out.

If a 4 goes in, a 24 comes out.

If a 6 goes in, a 36 comes out.

If an 8 goes in, what number comes out?

- A. 16
- B. 23
- C. 30
- D. 48

6. Which pattern is described by the following rule?

Each number can be found by doubling the number before it.

- A. 5, 10, 15, 20, . . .
- B. 5, 10, 20, 40, . . .
- C. 5, 7, 9, 11, . . .
- D. 5, 9, 13, 17, . . .

7. Which is the missing number?









18, 24, 30, ____, 42

- A. 32
- B. 34
- C. 36

8. 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.

9. 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

10.

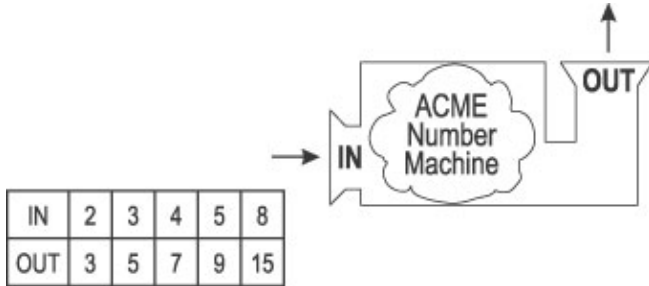
Use the pattern below to answer this question.

2, 4, 8, 16, ...

Which statement tells how to find the next number in the pattern?

- A. Add 2 to the number before it.
- B. Double the number before it.
- C. Add 8 to the number before it.
- D. Multiply the number before it by 4.

11. Mrs. Travis showed the class a new number machine. When you put a number in, a different number comes out. Here are some numbers the class tried.



Which statement describes what the number machine is doing?

- A. It is adding 4 and subtracting 1.
- B. It is subtracting 5 and adding 2.
- C. It is adding 3 or 5.
- D. It is multiplying by 2 and subtracting 1.

12.

Use the story problem in the box below to answer this question.

Lori wants to buy 2 softballs and 1 bat. The bat costs \$9.00. She has \$15.00. Does she have enough money to buy what she wants?

To answer this question,

- A. I also need to know how much each softball costs.
- B. I also need to know how much a bat costs.
- C. I also need to know how much a softball glove costs.
- D. I don't need any more information.

13. 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

14. Which rule was used to change the numbers in Column Q to the numbers in Column R?

Q	R
4	8
8	16
12	24

- A. $Q \times 3 = R$
- B. $Q + 4 = R$
- C. $Q + 10 = R$
- D. $Q \times 2 = R$

15. Which will give an answer greater than 100?

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

16. Which question could be answered with this information?

Ramon wanted to buy a \$100 coat, a \$15 sweatshirt, and a \$5 cap.

- A. How much money will Ramon need to buy boots?
 - B. How much money will Ramon need to buy the coat and cap?
 - C. How much money will Ramon need to buy the coat and boots?
 - D. How much money will Ramon need to buy a sweatshirt and socks?
-

17.

Use the number pattern below to answer this question.

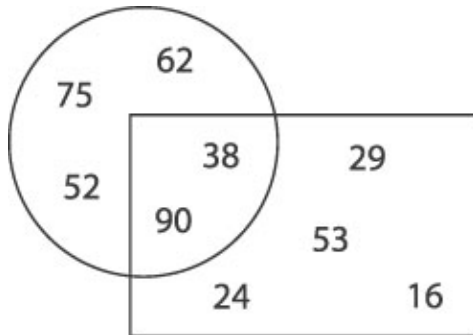
, 24, 23, 22

Which number belongs in the box?

- A. 20
 - B. 21
 - C. 25
 - D. 26
-

18.

Use the figures below to answer this question.



Which is the greatest even number that is inside the rectangle but not inside the circle?

- A. 24
- B. 53
- C. 62
- D. 90

19.

Use the table below to answer this question.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

Lisa is counting by threes. Sarah is counting by fives. As they count, they cross out the number on the table. What number will they both cross out?

- A. 18
- B. 15
- C. 9
- D. 5

20. Which number belongs in the box?

Rule = Add 8	
Input	Output
2	10
5	13
<input type="text"/>	16
11	19
14	22

- A. 6
- B. 7
- C. 8
- D. 9

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(Answer Key)

1. 20
2. 71
3.

4. 32
5. 48
6. 5, 10, 20, 40, . . .
7. 36
8. Lemonade costs 25¢ a cup.
9. AA BB AA CC
10. Double the number before it.
11. It is multiplying by 2 and subtracting 1.
12. I also need to know how much each softball costs.
13. subtract 7
14. $Q \times 2 = R$
15. $200 - 75$
16. How much money will Ramon need to buy the coat and cap?
17. 25
18. 24
19. 15
20. 8