

Math IA #2

3rd Grade

December 16th & 17th, 2014

Name: _____

College: _____

Total Points: _____ /69			Percentage: _____					
Question	Standard	Points	Question	Standard	Points	Question	Standard	Points
1.	3.CC.1a	0 1	14.	3.OA.7	A B C D	27.	3.OA.4	0 1
2.	3.CC.1b	0 1	15.	3.OA.3	A B C D	28.	3.OA.2	0 1
3.	3.CC.1c	0 1	16.	3.OA.5	A B C D	29.	3.OA.5	0 1
4.	3.CC.1d	0 1	17.	3.OA.7	A B C D	30.	3.OA.7	1 2 3
5.	3.CC.1d	0 1	18.	3.OA.10	0 1	31.	3.OA.2a	0 1 2
6.	3.CC.1e	0 1	19.	3.OA.4	0 1 2	32.	3.OA.4	0 1
7.	3.CC.1e	0 1	20.	3.OA.7	0 1 2	33.	3.OA.2	0 1 2
8.	3.OA.1d	0 1 2 3 4	21.	3.OA.5	0 1 2 3	34.	3.OA.4	0 1 2
9.	3.OA.4	A B C D	22.	3.OA.4	A B C D	35.	3.OA.7	0 1
10.	3.OA.5	A B C D	23.	3.OA.9	0 1 2 3 4 5	36.	3.OA.2	0 1 2
11.	3.OA.10	A B C D	24.	3.OA.1a	0 1 2 3 4	37.	3.OA.10	0 1 2
12.	3.OA.7	A B C D	25.	3.OA.3	0 1 2 3 4	38.	3.OA.3	0 1 2
13.	3.OA.7	A B C D	26.	3.OA.2b	0 1 2 3	39.	3.OA.1e	0 1 2 3 4

For 1-7 below, fill in the missing numbers.

1. 794, 795, 796, _____, _____, _____, _____, _____

(3.CC.1a) 1pt

2. 454, 456, 458, _____, _____, _____, _____, _____

(3.CC.1b) 1pt

3. 550, 555, 560, _____, _____, _____, _____, _____

(3.CC.1c) 1pt

4. _____, _____ 620, 630, _____, _____, _____

(3.CC.1d) 1pt

5. 266, 276, 286, _____, _____, _____, _____, _____

(3.CC.1d) 1pt

6. _____, _____ 300, 400, 500, _____, _____, _____


(3.CC.1e) 1pt

7. 289, 389, 489, _____, _____, _____, _____, _____

(3.CC.1e) 1pt

8. Jaydah and Kylah had a jump rope contest. Jada did 176 jumps and Kylah did 129 jumps. How many more jumps did Jaydah do than Kylah?

(3.OA.1d) 4pts.



Answer: _____

Number Sentence to Match Work: _____

Number Sentence to Match Story: _____

9. Which of these expressions has the same value as 8×4 ?

- $8 + 4 + 8 + 4$
- $4 + 4 + 4 + 4$
- $8 + 8 + 8 + 8$
- $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$

10. Pencils are sold in packages of 5. If Jacob needs a total of 45 pencils, which expression could be used to figure out how many packages Jacob should buy?

(3.OA.5) 1 pt.

- $45 - 5$
- 45×5
- $45 + 5$
- $45 \div 5$

11. Which number would make both of these equations true?

(3.OA.10) 1 pt.

$$24 \div \underline{\hspace{2cm}} = 8$$

$$8 \times \underline{\hspace{2cm}} = 24$$

- 2
- 3
- 4
- 6

12. What is the missing number?

$$4 \times (3 \times 2) = (4 \times 3) \times \underline{\hspace{2cm}}$$

- 2
- 6
- 12
- None of the above

13. Which of these statements is **NOT** true?

(3.OA.7) 1 pt.

- $4 \times (2 \times 2) = (4 \times 2) \times 2$
- $4 + 4 + 4 = 3 \times 4$
- $10 \times 1 = 1 \times 10$
- $(5 + 2) \times 3 = (5 + 3) \times 2$

14. Which of the following equations is **NOT** a related fact of the equation $35 \div 5 = 7$? (3.OA.7) 1 pt.

- $5 \times 7 = 35$
- $7 + 5 = 12$
- $35 \div 7 = 5$
- $7 \times 5 = 35$

15. Ms. Fabri is organizing paintbrushes. She puts 3 paintbrushes each in 4 cups and 5 paintbrushes each in 3 cups. How many paintbrushes did she put into all the cups? (3.OA.3) 2pts.

- 15 paintbrushes
- 8 paintbrushes
- 29 paintbrushes
- 27 paintbrushes

16. Jaeon and his family are going on vacation for 35 days. Which of the following expressions could be used to calculate how many weeks they will be on vacation? (3.OA.5) 1 pt.

- 35×7
- $35 + 7$
- $35 \div 7$
- $35 - 7$

17. Which of the following expressions has the same answer as $5 \times 2 \times 3$? (3.OA.7) 1 pt.

- 10×2
- $2 \times 3 \times 6$
- $5 \times 3 \times 1$
- 5×6

18. Fill in the number that would make both of these equations true? (3.OA.10) 1 pt.

$$35 \div \underline{\quad\quad} = 7$$

$$7 \times \underline{\quad\quad} = 35$$

19. Which **two** statements can best be represented by 4×8 ?

- A teacher puts 8 chairs each at 4 tables
- Tom buys 4 red markers and 8 blue markers
- Marie shares her 8 marbles equally among 4 friends
- There are 4 rows of flowers and 8 flowers in each row
- There are 4 ducks in the pond then 8 more ducks join

20. Which two ways show how to find the value of 7×40 ? Select the **two correct answers**. (3.OA.7) 2 pts.

- 7×4
- 4×10
- $7 \times 4 \times 10$
- 7 groups of 4 ones
- 7 groups of 4 tens

21. Which **three** statements can be represented by $24 \div 4$?

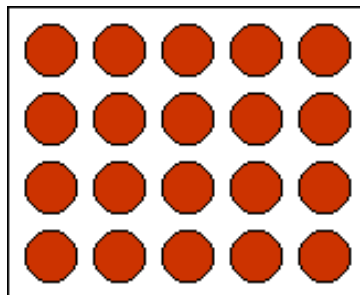
(3.OA.5) 3 pts.

- Myjalon makes 24 muffins and gives 4 away
- Chris has 24 trucks. He sorts them into groups with 4 trucks in each group
- Amar has 24 baseball cards. He puts them into piles with 4 cards each
- Trista puts 24 stickers in each book. She uses 4 books.
- Steve puts 24 books on the bookshelf. He organizes the books on 4 shelves.

22. Which multiplication sentence is being modeled by this array?

(3.OA.4) 1 pt.

- 5×5
- 4×5
- 4×6
- 5×6



23. Fill in the missing numbers in the equations below.

(3.OA.9)

4 pts.

$$5 \times \square = 20$$

$$27 = \square \times 3$$

$$45 \div 5 = \square$$

$$16 \div \square = 8$$

$$3 \times \square = 15$$

$$4 \times 4 = \square$$

$$12 \div 3 = \square$$

$$\square \div 2 = 7$$

$$18 = 6 \times \square$$

$$40 = \square \times 10$$

$$24 \div \square = 8$$

$$5 = 25 \div \square$$

$$3 \times \square = 24$$

$$\square \times 4 = 24$$

$$\square \div 2 = 4$$

$$60 = 6 \times \square$$

24. Last month, Elexy collected 123 pennies. This month, she collected 368 pennies. How many pennies has Elexy collected?

(3.OA.1a) 4pts.

Answer: _____

Number Sentence to Match Work: _____

StopNumber Sentence to Match Story: _____



25. There were 78 people on the bus. At the first stop, 54 more people got on the bus. At the second stop, some people got off the bus. Now there are 42 people on the bus. How many people got off at the second stop?

(3.OA.3) 4pts.

Answer: _____

Number Sentence to Match Work: _____

Number Sentence to Match Story: _____

26. Briana was collecting seashells at the beach. She collected 28 seashells. She organized her seashells into 4 rows. Draw an array in the box to show how Briana organized her seashells.

(3.OA.2b) 3pts.

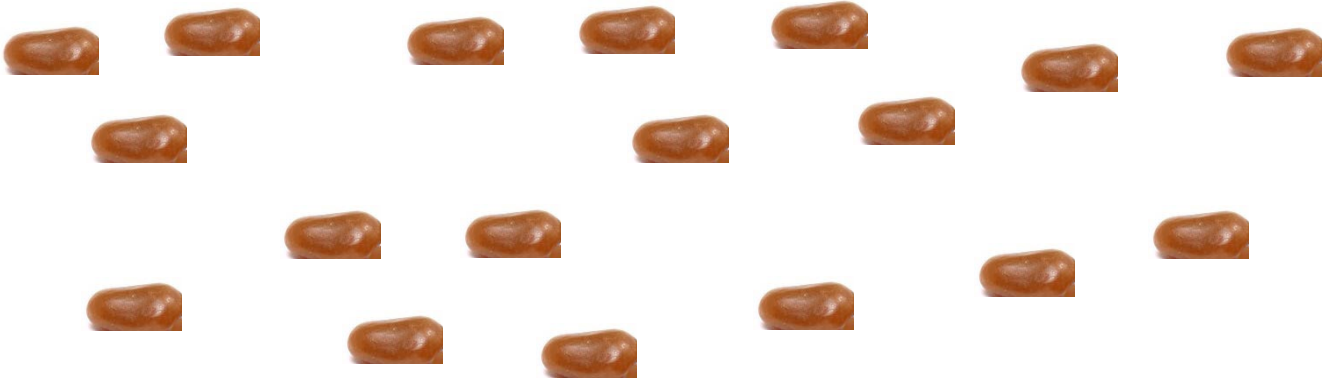
In the box, write an addition number sentence to match your array:

In the box, write a multiplication number sentence to match your array:

27. On the lines, explain what each number in your **multiplication number sentence** represents.

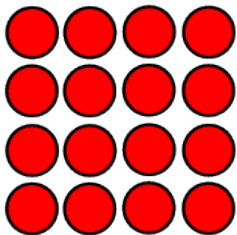
(3.OA.4) 1 pt.

28. Julian bought a box of Sugar Babies from the scholar dollar store. There were 18 Sugar Babies in the box. He shared them with DJ and Trerene so they each got the same amount. Draw circles around the Sugar Babies to show how the three boys shared them equally. (3.OA.2) 1pt.

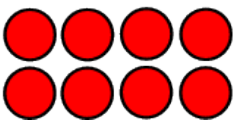


29. Write a division number sentence to match your work or the story. (3.OA.5) 1 pt.

30. Quinten arranged his baseball cards into the two arrays below. He wanted to figure out how many cards he had altogether. Write multiplication number sentences to match each array. Then write a multiplication number sentence that Quinten could use to solve how many baseball cards he has altogether. (3.OA.7) 3 pts.



Array #1: _____



Array #2: _____

Multiplication Number Sentence: _____

31. Ms. KiKi was putting out scholar lunches. There were 5 tables down and she put 8 lunches on each table. In the box, show how you figured out the total number of lunches Ms. KiKi put out on the table. (3.OA.2a) 2 pts.

Answer: _____

32. Write a multiplication number sentence to match the story: _____ (3.OA.4) 1pt.

33. Lola can read 3 books in one day. How many books can she read in 1 week? (3.OA.2) 2 pts.

Answer: _____

34. Lizeth baked muffins and arranged them in an array on pan A. Bethzy also baked and arranged them in an array on Pan B. (3.OA.4) 2 pts.

Pan A



Pan B



Write a multiplication number sentence to match Lizeth's array: _____

Write a multiplication number sentence to match Bethzy's array: _____

35. On the lines below, explain the relationship between the two arrays. (3.OA.7) 1 pt.

36. Lizeth and Bethzy put their muffins together. Then they put them into 6 bags with the same number of muffins in each bag. How many muffins were in each bag? Show your work in the box.

(3.OA.2) 2 pts.

Answer: _____

37. Write a division and multiplication number sentence to match.

(3.OA.10) 2pts.

Division: _____

Multiplication: _____

38. Lizeth and Bethzy then took their muffins to a bake sale and sold 2 bags of muffins. How many muffins do they have now? Show your work in the box.

(3.OA.3) 2 pts.

Answer: _____

39. Ginnele earned \$143 in the first few months of school. Then she earned some more money in November and December. Now Ginnele has \$282. How much money did she earn in November and December? (3.OA.1e) 4pts.

Answer: _____

Number Sentence to Match Work: _____

Number Sentence to Match Story: _____

