

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**3rd Grade Unit 1 Common Assessment: Addition and Subtraction, Multiplication****3.NBT.2 Add and Subtract Within 1000**

Score (\_\_\_\_/8)

<p>1.</p> $\begin{array}{r} 586 \\ - 49 \\ \hline \end{array}$	<p>2. Mikayla played basketball for 55 minutes on Monday, 57 minutes on Tuesday, and 50 minutes on Wednesday. How many minutes of basketball did Mikayla play in all?</p> <p>a. 107 minutes</p> <p>b. 152 minutes</p> <p>c. 162 minutes</p> <p>d. 171 minutes</p>
<p>3. Brice weighs 106 pounds. Mary weighs 49 pounds. How much more does Brice weigh than Mary?</p> <p>a. 55 pounds</p> <p>b. 57 pounds</p> <p>c. 63 pounds</p> <p>d. 67 pounds</p>	<p>4. Maria read a book with 256 pages, and Dan read a book with 435 pages. How many pages in all did Maria and Dan read?</p> <p>a. 681</p> <p>b. 691</p> <p>c. 781</p> <p>d. 791</p>
<p>5. Abigail has 27 fish in her aquarium in her bedroom and 33 fish in another aquarium in the family room. Which is the best estimate of the number of fish Abigail has in both aquariums?</p> <p>a. 65</p> <p>b. 50</p> <p>c. 60</p> <p>d. 40</p>	<p>6. Perry is finding the sum of <math>436 + 351</math> by breaking it into smaller problems. He uses place value and finds the sum of the hundreds, tens, and ones.</p> <p>a. <math>300 + 300, 30 + 50, 6 + 1</math></p> <p>b. <math>400 + 300, 36 + 50, 6 + 1</math></p> <p>c. <math>400 + 300, 30 + 50, 6 + 1</math></p> <p>d. <math>400 + 300, 30 + 51, 6 + 1</math></p>
<p>7. Orlando's class is studying different kinds of trees. They need 1,000 leaves for a project. They collected 497 leaves last week and 409 leaves this week. What is the best estimate for the number of leaves they have collected so far?</p> <p>a. 700</p> <p>b. 1,000</p> <p>c. 800</p> <p>d. 900</p>	<p>8. Mrs. Nelson's class went to an orchard, where they picked 256 oranges. They put 137 oranges into burlap sacks. They rounded to the nearest ten to estimate how many oranges are NOT in burlap sacks. About how many oranges are NOT in burlap sacks?</p>

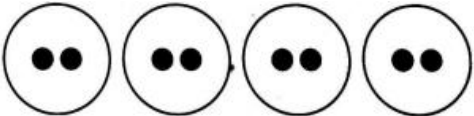
**3.OA.8 2-Step Word Problems**

Score (\_\_\_\_/4)

<p>9. Linda has \$50. She wants to buy a backpack that costs \$28, a pair of shoes that costs \$37, and a book that costs \$9. How much more money does she need to buy all three items?</p> <p>a. \$14 b. \$15 c. \$24 d. \$25</p>	<p>10. Mr. Roberts brought 285 balloons to a party. There were 80 red balloons, 135 blue balloons, and some yellow balloons. How many yellow balloons did Mr. Roberts bring?</p>
<p>11. Patrick had 120 party invitations. He passed out 47 invitations at school and 34 at soccer practice. How many invitations does he have left?</p> <p>a. 39 b. 53 c. 59 d. 81</p>	<p>12. The Taylors are taking a trip. They need to drive a total of 900 miles. On the first day, they drive 418 miles. On the second day, they drive 382 miles. About how much farther do they need to drive?</p> <p>a. 100 miles b. 200 miles c. 600 miles d. 800 miles</p>

**3.OA.1 Multiplication as Equal Groups or Addition Sentences**

Score (\_\_\_\_/6)

<p>13. Use the illustration to fill in the blanks:</p>  <p>____ groups of ____</p> <p>____ in all</p>	<p>14. Eric was doing a math problem. Eric wrote:</p> $2 + 2 + 2 + 2 + 2$ <p>Which is another way to show what Eric wrote?</p> <p>a. <math>2 \times 2</math> b. <math>5 \times 2</math> c. <math>10 \times 2</math> d. <math>5 + 2</math></p>
<p>Solve <math>6 \times 3</math> in by creating equal groups and using repeated addition.</p>	
<p><b>15. Equal Groups</b></p>	<p><b>16. Repeated Addition</b></p>

17. There are 5 tables in the library. Four students are sitting at each table. How many students are sitting in the library?



- a. 9
- b. 16
- c. 20
- d. 24

18. Alondra made 3 bracelets. There are 7 beads on each bracelet. How many beads did Alondra use to make the bracelets?

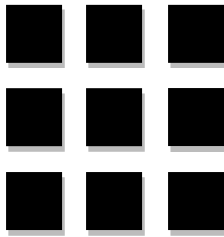


- a. 10
- b. 14
- c. 21
- d. 24

**Section 2: 3.OA.3 Arrays**

Score (\_\_\_\_/4)

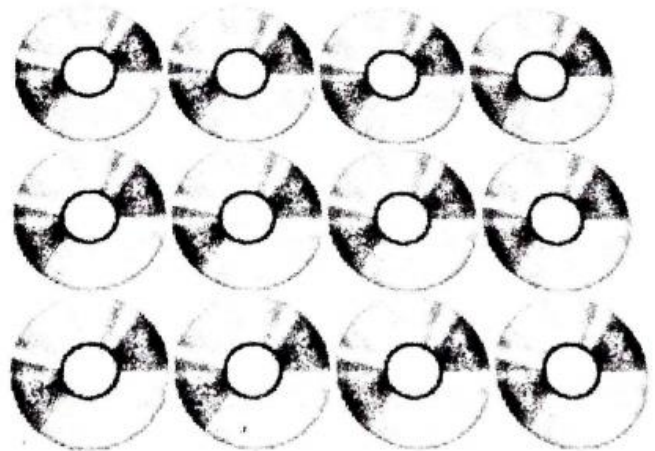
19. Carson drew this array to show the number of pictures on one page of her photo album.



Which multiplication sentence does this array show?

- a.  $2 \times 3 = 6$
- b.  $3 \times 3 = 9$
- c.  $4 \times 4 = 16$
- d.  $3 \times 2 = 6$

20. Which expression matches the picture below?



- a.  $4 + 3$
- b.  $3 \times 3$
- c.  $4 \times 4$
- d.  $3 \times 4$

21. Ryan bought 4 packages of 3 juice boxes each. Draw an array to help you determine how many juice boxes Ryan bought in all.

22. Max organized his toy cars so he could tell how many toy cars he had. Which equation shows how many cars Max has?



- a.  $3 \times 6 = 18$
- b.  $18 \times 3 = 6$
- c.  $6 \times 3 = 12$
- d.  $6 \times 3 = 18$

23. Look at the shaded products. What pattern is shown?

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54

The product of any number multiplied by 6 is \_\_\_\_\_ the product of that number multiplied by 3.

- a. Half
- b. The same
- c. 2 times
- d. 3 times

24. Shade the multiplication table **two different ways** to show counting by 6's.

×	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

25. Kristin shaded some numbers on the hundreds chart.

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	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	86	88	89	90
91	92	93	94	95	96	97	98	99	100

Which describes the pattern in the numbers Kristin shaded?

- a. Increases by 2
- b. Increases by 6
- c. Increases by 7
- d. Increases by 14