

1. Write each number sentence in the box below the better estimate of the sum.

$281 + 125 = \blacksquare$

$202 + 128 = \blacksquare$

$186 + 119 = \blacksquare$

$309 + 135 = \blacksquare$

300	400
$186 + 119 = \square$	$281 + 125 = \square$
$202 + 128 = \square$	$309 + 135 = \square$

4 points – one point for each correct entry

3.NBT.1

2. Mikio drove 58 miles on Saturday. On Sunday he drove 23 miles. How many miles did he drive on Saturday and Sunday? Explain how you solved the problem.

81 miles; Possible explanation: start with 58 and count on 2 to 60. Then add 23 as 2 tens 3 ones. Remember to subtract the 2 you counted on to start, $83 - 2 = 81$.

2 points – one point for correct answer and one point for correct explanation

3.NBT.2

3. There are 4 flower beds in Max's yard. Three rose bushes grow in each flower bed. How many rose bushes are there? Draw circles to model the problem and explain how to solve it.



Possible explanation: I can count the number of circles, or add $3 + 3 + 3 + 3$, or multiply 4×3 .

12 rosebushes

2 points – one point for correct answer and one point for correct explanation

3.OA.1

4. Select the number sentences that show the Commutative Property of Multiplication. Mark all that apply.

- A $5 \times 2 = 5 + 5$
- B $6 \times 0 = 0$
- C $7 \times 5 = 5 \times 7$
- D $8 \times 1 = 1 \times 8$
- E $9 \times 1 = 9$

1 point for both correct choices

3.OA.5

5. The city zoo has 114 amphibians and 243 insects in displays for people to observe. How many amphibians and insects are in displays at the City Zoo?

- A 129
- B 257
- C 357
- D 375

1 point

3.NBT.2

6. A third grade class collected leaves on a nature walk. The table shows how many of each kind of leaf the class collected.

Leaf Collection

Type of Leaf	Number of Leaves
Maple	216
Oak	174
Elm	109

Which is the best estimate of how many more maple than elm leaves were collected?

- 100 300
 200 400

1 point

3.NBT.1

7. Carly writes a number sentence that shows the Commutative Property of Addition. Which could be Carly's number sentence?

- (A) $(13 + 13) + 57 = 13 + (13 + 57)$
 (B) $15 + 0 = 15$
 (C) $28 + 42 = 42 + 28$
 (D) $36 = 30 + 6$

1 point

3.NBT.2

8. The beach shop orders 325 beach balls for the season. The first month the shop sells 168 beach balls. How many beach balls does the shop have left to sell?

- (A) 143 (C) 167
 (B) 157 (D) 257

1 point

3.NBT.2

9. Samantha was doing her math homework.
She wrote: $9 + 9 + 9 + 9$

Which is another way to show what Samantha wrote?

- A 4×4 C $9 + 4$
 B 9×3 D 4×9

1 point

3.OA.1

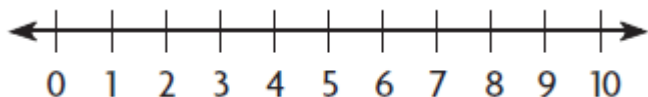
10. Mrs. O'Hara looked in 3 nests for eggs. In each nest she found 0 eggs.
Which number sentence represents the total number of eggs
Mrs. O'Hara found?

- A $3 \times 1 = 3$
 B $3 + 0 = 3$
 C $3 \times 0 = 0$
 D $3 - 3 = 0$

1 point

3.OA.5

11. Topher buys 2 packages of juice boxes. There are 3 juice boxes in
each package.



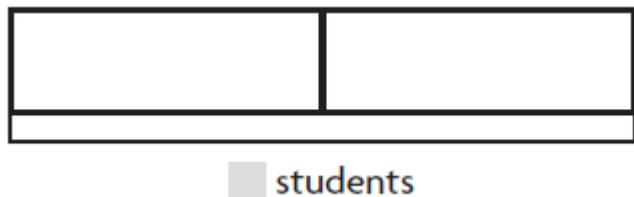
How many juice boxes does Topher buy in all?

- A 2
 B 5
 C 6
 D 8

1 point

3.OA.3

12. At dance class, the teacher divided the class into 2 groups. Each group had 7 students.



How many students are in the dance class in all?

- (A) 9
- (B) 10
- (C) 12
- 14

1 point

3.OA.3

13. Rachel drew an array to show the number of stamps on a page in her scrapbook.



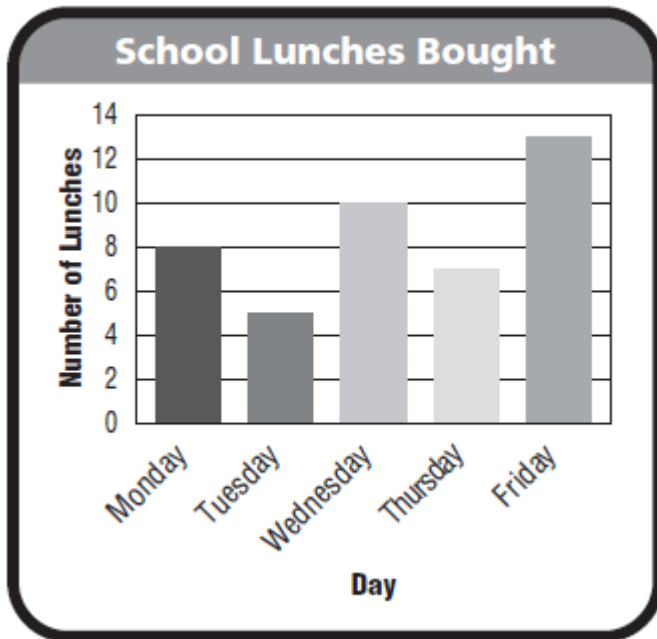
Which multiplication sentence shows the total number of stamps on a page of Rachel's scrapbook?

- (A) $5 \times 3 = 15$
- (B) $3 \times 3 = 9$
- (C) $4 \times 4 = 16$
- $4 \times 3 = 12$

1 point

3.OA.3

14. Amy's teacher made a bar graph to show the number of school lunches bought over a five-day period by her class.



How many more lunches were bought on Friday than on Tuesday and Thursday combined?

- A 1 C 5
 B 2 D 8

1 point

3.MD.3

15. Harry is making a bar graph to show the favorite sports of his classmates. Which will have the shortest bar in his graph?

- A 3 votes for baseball
 B 4 votes for soccer
 C 5 votes for riding bikes
 D 9 votes for swimming

1 point

3.MD.3

16. All 32 students in Gisele's class chose their favorite instrument. Gisele shows the number of students that chose each instrument in a tally table.

Favorite Musical Instrument	
Instrument	Tally
Flute	
Trumpet	
Drums	
Violin	


How many students chose either the drums or the violin?

- A 7 C 15
 B 14 D 16

1 point

3.MD.3

17. A third grade class made a picture graph to show the number of students who play baseball after school. This is the key to their picture graph.

Key: Each  = 2 students.

How many students does  stand for?

- A 4 C 9
 B 8 D 10

1 point

3.MD.3