Name: KEY

Date: _____

Trimester 1 Third Grade Math Assessment

1. Mr. Archer picked 46 tomatoes from his garden on Friday. On Saturday, he picked 17 tomatoes. How many tomatoes did he pick in all? *(CC.3.OA.8)*

a. 109 **b.** 63

c. 53 **d.** 29

2. Lana scored 84 points in the first round of a new computer game. She scored 21 more points in the second round than in the first round. What was Lana's total score? **Show your work.** *(CC.3.OA.8)*

First Round: 84 points

Second Round: 84 + 21 = 105 points

84 + 105 = 189 points

3. During the first week of school, 345 students bought their lunch. During the second week of school, 23 fewer students bought their lunch than the week before. How many students bought their lunch in those two weeks altogether? **Solve below and explain your solution in words.** *(CC.3.OA.8)*

First week: 345 students

Second week: 345 - 23 = 322 students

Total: 345 + 322 = 667 students

There were 667 students that bought their lunch in those two weeks.

4. Pam solved 15- 7 = 8. How can she check to make sure that her work is correct? *(CC.3.OA.8)* Answers may vary

She can do reverse operations. 8+7=15

5. Is the product even or odd? Write **even** or **odd.** *(CC.3.OA.9)*

a. 5 × 8 = even **b.** 3 × 5 = odd

6. Use **rounding** or compatible numbers to **estimate** the difference. *(CC.3.NBT.1)*

Answers may vary

a.) 40 − 13 → 40 − 10 = **30**

b.) 323 − 78 → 300 − 75 = **225**

7. Find the difference. *(CC.3.NBT.1)*

a.) 738 − 229 = **509**

b.) 429 − 182 = **247**

8. Cyril bought a 50 pound bag of wild bird seed. At the end of two weeks, 36 pounds of seed were left in the bag. How many pounds of seed had been used? **Show your thinking.** *(CC.3.NBT.2)*

50 - 36 = 14 pounds of seed were used

9. Find the sum. *(CC.3.NBT.2)*

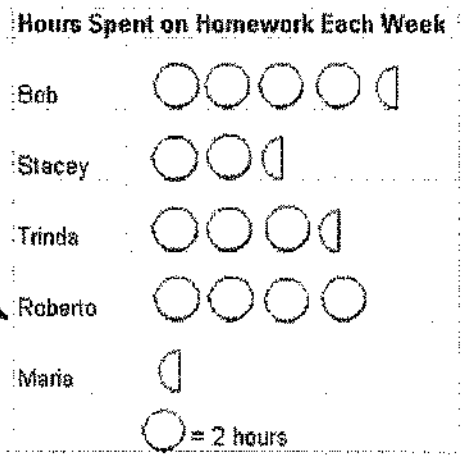
a.) 169
+ 354
523

b.) 236
+ 493
729

10. Mr. Olaf made a graph to show the time his students spent on homework each week. How many fewer hours did Stacey spend than Roberto? **State your answer in a sentence.** *(CC.3.MD.3)*

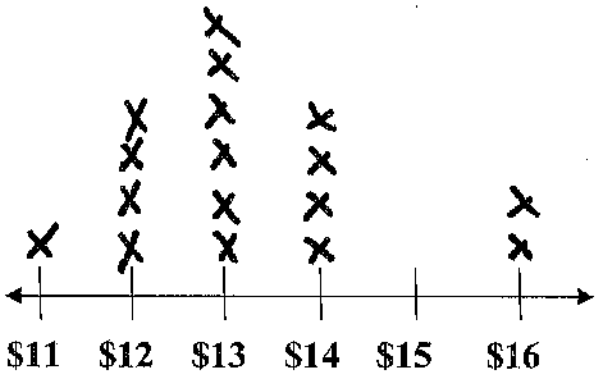
8 - 5 = 3 hours

Stacey worked 3 fewer hours on her homework than Roberto.



11a.) Use the data in the table to make a line plot. *(CC.3.MD.4)*

How Many Shirts Were Sold at Each Price?	
Price	*Number Sold*
$11	1
$12	4
$13	6
$14	4
$15	0
$16	2

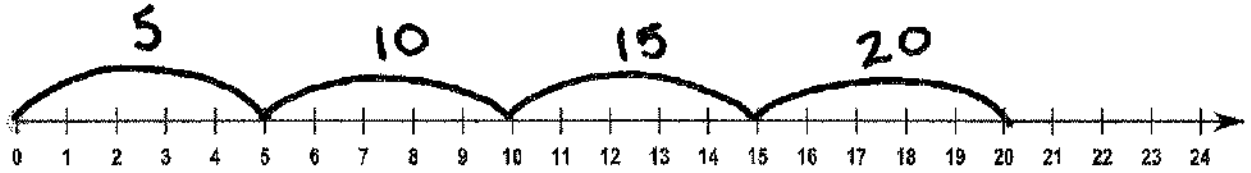


b.) How many shirts were sold for less that $13?

5 shirts

12. Draw jumps on the number line to show equal groups. *(CC.3.MD.4)*

Then find the product.



4 groups of 5 $4 \times 5 =$ 20

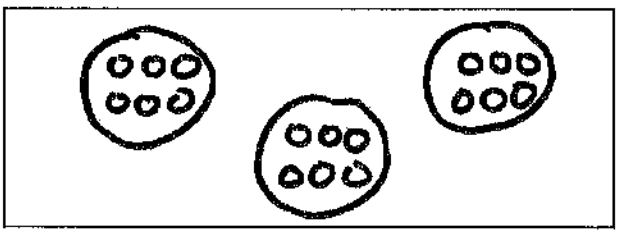
13. Draw a quick picture to show the equal groups. Then write related addition and multiplication sentences. *(CC.3.OA.1)*

Malory buys 3 bags of candy. Each bag weighs 6 kilograms. How many kilograms do the bags weigh in all?

6 + 6 + 6 = 18

3 × 6 = 18

Picture

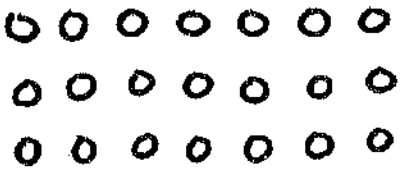


14. Richard puts 2 slices of cheese on each sandwich. He makes 4 cheese sandwiches. How many slices of cheese does Richard use in all? **Solve below and explain your solution in words.** *(CC.3.OA.3)*

2 x 4 = 8 slices of cheese

Richard uses 8 slice of cheese in all.

15. In Elsa's class, there are 3 rows with 7 desks in each row. How many desks are there total? **Show your thinking in a drawing.** *(CC.3.OA.3)*



3 x 7 = 21 desks

16. Ray went to the store and bought 3 pairs of shorts. They each cost $8. How much did he spend? **Solve below and explain your solution in words.** *(CC.3.OA.7)*

3 x 8 = $24

Ray spent $24 on 3 pairs of shorts.

17. There are 10 pencils in each box. If Kelsey buys three boxes, how many pencils will she buy? Use the boxes to show your thinking *(CC.3.OA.7)*

Pencil box	Pencil box	Pencil box
10	10	10

Answer: 30 pencils

18. Find the product. *(CC.3.OA.7)*

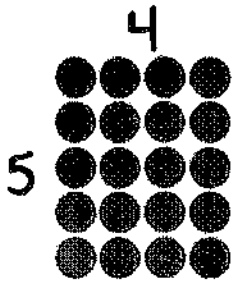
6 × 3 = 18 | 7 × 6 = 42 | 0 × 1 = 0

4 × 8 = 32 | 2 × 7 = 14 | 3 × 9 = 27

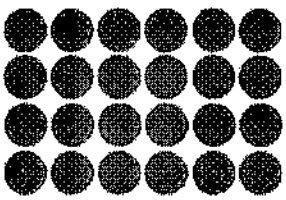
19. Write a multiplication sentence for the model. Then use the Commutative Property of Multiplication to write a related multiplication sentence. *(CC.3.OA.5)*

a.) 5 × 4 = 20

b.) 4 × 5 = 20



20. What is one way to break apart the array? *(CC.3.OA.5)*



a. $(2 \times 6) + (2 \times 6)$

b. $(4 \times 2) + (4 \times 2)$

c. $(4 \times 4) + (4 \times 4)$

d. $(6 \times 3) + (6 \times 3)$

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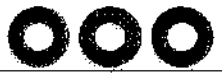
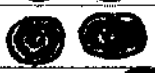
3rd Grade Performance Task Trimester 1: (Task A) *CC.3.MD.3*

How We Get to School	
Bike	𝍸 𝍸 𝍸 |||
Bus	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸
Car	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |||
Walk	𝍸 𝍸 ||

How We Get to School	
Bike	
Bus	
Car	
Walk	
Key: Each  = 6 students	

1. Use the tally chart to complete the pictograph for the students who walk to school.

2. a. How many fewer students take the bus than take a car? 3 students

   b. Write the multiplication sentence for how many students take the bus: 5 × 6 = 30

3. a. How many more students ride the bus than their bike? 12 students

   b. Write the multiplication sentence for how many students ride their bike: 3 × 6 = 18

4. How many total students were surveyed?

   4a. Answer: 93 students 4b. Show your work here: $\begin{array}{r} 15 \\ \times\ 6 \\ \hline 90 \end{array}$ $\begin{array}{r} 90 \\ +\ 3 \\ \hline 93 \end{array}$

5. Explain how to find the number of students who either ride the bus **or** drive a car to school.

Multiply 5 × 6 = 30. Since it says "or" we don't have to add them together. "Drive" is 5 × 6 = 30, then add 3 because it is a half symbol.

6. What if the symbol equals 3 students? How many symbols would you need to show the total amount of students who bike to school?

6 symbols

Name: _____

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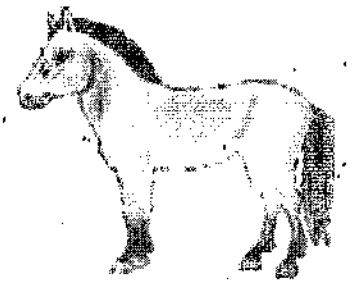
3rd Grade Trimester 1

Performance Task (TASK B)

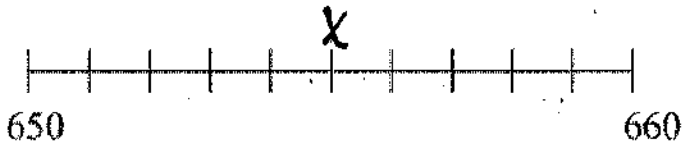
A Question of Numbers *CC.3.NBT.1/3.NBT.2*

This problem gives you the chance to:
- show you can compare and order numbers

Holly's class is learning about big numbers.



1. Here is part of the class number line.



Put an **X** on the number line, on the place that is halfway between 650 and 660.

What is the number that should be there? 655

2. Holly knows a pony weighs between 365 pounds and 425 pounds.
Write a possible number for the weight of a pony. 400 pounds

3. The activity center swimming pool holds between 1,875 gallons and 1,940 gallons of water.

Write a possible number for the amount of water the swimming pool holds. 1,900 gallons

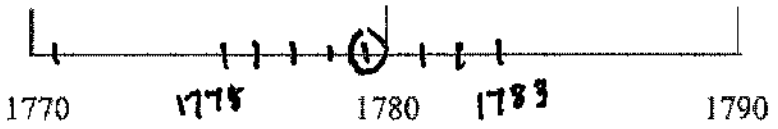
4. A school computer could cost between $2,950 and $3,055.

Give three possible prices for the computer.

A $ 2,951 B $ 3,000 C $ 3,054

5. The American Revolution started in 1775 and finished in 1783.
In which year was it halfway through? 1779

Show how you know using this number line.



6. Holly's teacher says the school library has 1000 books.
Holly thinks that the library may have 40 more books.
What is the greatest number of books that the library could have? 1,040 books
Show how you figured this out.

$$\begin{array}{r} 1{,}000 \\ +\ \ 40 \\ \hline 1{,}040 \end{array}$$

Tom thinks that the library may have 40 fewer books than 1000.
What is the smallest number of books that the library could have? 960 books
Show how you figured this out.

$$\begin{array}{r} {}^{9}\cancel{1{,}0}{}^{10}\cancel{0}0 \\ -\ \ 40 \\ \hline 960 \end{array}$$