**Third Grade Quarter 1 Assessment**

**Teacher Guide**

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**This assessment assesses students’ ability to:**

* Use at least one strategy to efficiently solve addition and subtraction word problems.
* Find combinations of 2-digit numbers that equal 100.
* Write equations to represent combinations of 100.
* Add and subtract multiples of 10.
* Estimate sums of 2-digit numbers up to 100.
* Keep track of all parts of a word problem.
* Represent problems using a letter or symbol to represent the unknown.
* Identify the attributes of triangles.
* Identify the attributes of quadrilaterals.
* Describe, define, and sort quadrilaterals.
* Measure and record the perimeter of polygons.
* Find the perimeter of an irregular polygon.
* Compare and order shapes based on perimeters.

**Common Core Standards:**

This assessment addresses each of the following Common Core Standards (standards in red are major work standards for your grade level):

|  |  |
| --- | --- |
| **Standard** | **Questions** |
| 3.NBT.2 | 1, 2, 3, 7, 15, 16 |
| 3.OA.8 | 4, 5, 6, 14 |
| 3.MD.8 | 8, 11, 13, 18 |
| 3.G.1 | 9, 10, 12, 17 |

**Assessment Administration:**

This assessment is separated into calculator inactive (questions 1-9) and calculator active (questions 10-18) sections. Students should not use a calculator for the calculator inactive questions. Once students have complete the calculator inactive section, please clip or collect the calculator inactive section, and provide the student with a calculator to complete the calculator active section of this assessment. If students are entering answers on a bubble sheet, please make sure students have completed the calculator inactive section of the bubble sheet before collecting this portion of the assessment.

**Data Driven Instruction:**

This assessment is one data point and should be used with data gathered from multiple sources to make an informed decision about student misconceptions and mastery.

**3rd Grade Quarter 1 Assessment – Scoring Guide**

|  |  |  |
| --- | --- | --- |
| **Question** | **Standard** | **Answer** |
| 1 | 3.NBT.2 | D |
| 2 | 3.NBT.2 | A |
| 3 | 3.NBT.2 | D |
| 4 | 3.OA.8 | C |
| 5 | 3.OA.8 | A |
| 6 | 3.OA.8 | B |
| 7 | 3.NBT.2 | A |
| 8 | 3.MD.8 | D |
| 9 | 3.G.1 | D |
| 10 | 3.G.1 | B |
| 11 | 3.MD.8 | B |
| 12 | 3.G.1 | A |
| 13 | 3.MD.8 | C |
| 14 | 3.OA.8 | C |
| 15 | 3.NBT.2 | B |
| 16 | 3.NBT.2 | C |
| 17 | 3.G.1 | B |
| 18 | 3.MD.8 | D |

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

**3rd Grade Quarter 1 Assessment**

**Directions**:

**Calculator Inactive: #1-9**

You may **NOT** use a calculator for this section of the test.

**Calculator Active: #10-18**

You may use a calculator for this section of the test, but you should not go back to the previous section of the test.

Solve each problem and show your work.

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1. Jennifer read 78 pages last week. She read 45 pages less than her friend Shannon. How many pages did Shannon read last week?

A 33 B 43

C 113 D 123

2. Erik has 47 baseball cards. He is putting them in a book that holds 113 baseball cards. How many more baseball cards does he need to fill his book?

A 66 B 76

C 134 D 160

3. Aditya went to Sticker Station where stickers are sold in sheets of one hundred, strips of ten, and single stickers.

* Aditya bought 3 sheets of flower stickers.
* Aditya bought 14 strips of flower stickers.
* Aditya bought 46 single flower stickers.

How many stickers did Aditya buy in all at Sticker Station?

A 350 B 360

C 446 D 486

4. What is the value of *G* in this equation?

**85 = *G* – 16**

A 69 B 91

C 101 D 111



5. Mr. Chen’s class had a box with many extra pencils at the beginning of the year.

* They used 27 of the extra pencils in August.
* They used 67 of the extra pencils in September.
* Now there are 16 pencils left in the box.

How many pencils did the class have at the beginning of the year?

A 110 B 94

C 88 D 78

6. Ms. Palermo has a goal to read 120 pages this week.

* She read 39 pages on Monday.
* She read 18 pages on Tuesday.

How many more pages does she have left to make her goal?

A 57 B 63

C 73 D 77

7. Brianna built a tower that was 74 blocks tall. Her brother put more blocks on until the tower was 132 blocks tall. How many blocks did Brianna’s brother add to the tower?

A 58 B 62

C 106 D 206

8. Nancy’s garden has 4 sides.

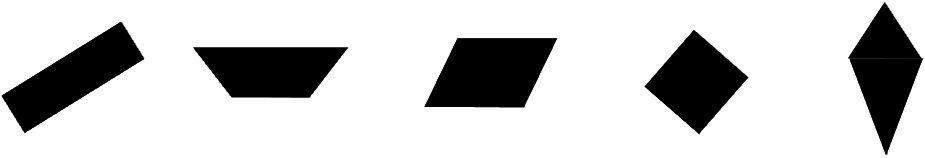
* The distance around the garden is 149 feet.
* Three sides of her garden measure 42 feet, 48 feet, and 23 feet.

How long is the fourth side of the garden?

A 262 B 113

C 103 D 36

9. Dimitri drew the following shapes on his page:



What title could he use to describe all of the shapes?

A trapezoids B rectangles

C parallelograms D quadrilaterals

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



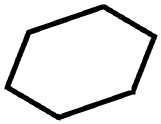
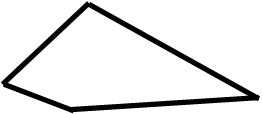
**Calculator Active:** You may use a calculator on this part of the test.

10. Susan was told to draw a quadrilateral with exactly two pairs of opposite sides that will never meet or cross. Which shape could Susan draw?

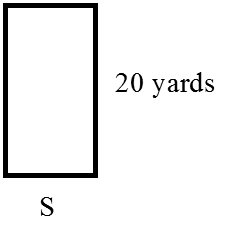
A B

C D

11. Aiden’s backyard has a perimeter of 54 yards. One side is 20 yards long.

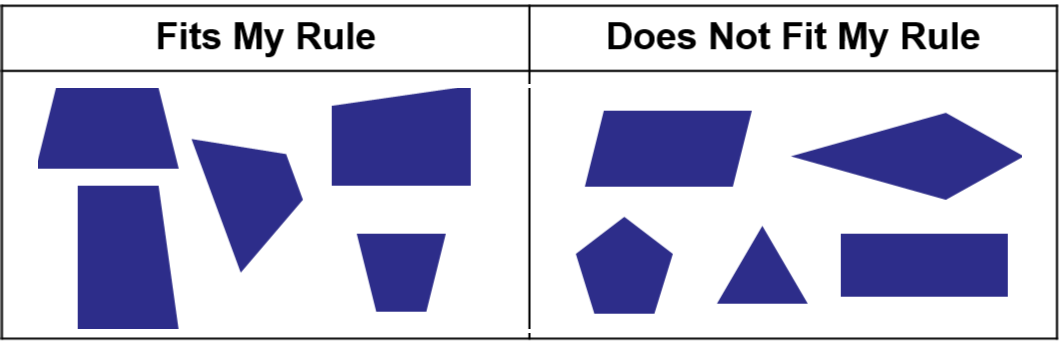


How long is side “s”?

A 4 yards B 7 yards

C 14 yards D 34 yards

12. Andrew sorted the following shapes using a rule. What name could Andrew give to all the shapes that fit his rule?

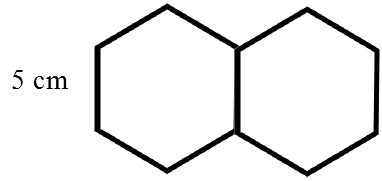


A trapezoids B parallelograms

C pentagons D triangles



13. The polygon below is made of two hexagons. The length of each side of each hexagon is 5 cm.



What is the perimeter of the polygon?

A 30 cm B 40 cm

C 50 cm D 60 cm

14. What is the value of the *b* in this equation?

**40 + b = 47 + 39**

A 126 B 86

C 46 D 7

15. Louis put a box of snap cubes into groups of ten. He made 13 groups of ten and had 5 snap cubes leftover. Louis decided to put his snap cubes in groups of one hundred instead. How many groups of one hundred can he make? How many will be leftover?

A 1 group of 100, 5 leftover

B 1 group of 100, 35 leftover

C 4 groups of 100, 5 leftover

D 4 groups of 100, 35 leftover

16. Four office stores compared the number of pencils they had in stock.

|  |  |  |  |
| --- | --- | --- | --- |
| **Store** | **Boxes of 100 Pencils** | **Packs of 10 Pencils** | **Single Pencils** |
| **Office Mania** | **0** | **14** | **9** |
| **Pencils Plus** | **1** | **6** | **4** |
| **Discount Office Supply** | **1** | **3** | **7** |
| **School & Office Store** | **0** | **17** | **2** |

Which store had the least number of pencils?

A Office Mania B Pencils Plus

C Discount Office Supply D School & Office Store



17. Look at the two figures below. Which of the following describes an attribute that the two figures have in common?

A Both figures have one pair of opposite sides that will never meet or cross.

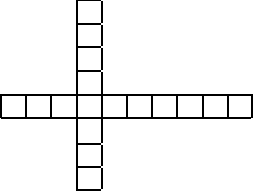
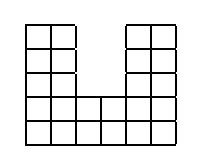
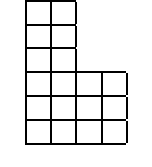
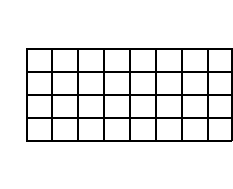
B Both figures have at least one square corner.

C Both figures have equal sides.

D Both figures have exactly three sides.

18. Which of the following shows two figures with the same perimeter?

A B

C D

