Name: _____ Score: _____

Session 1

1

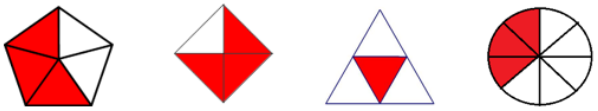
A division problem is shown.

$8 = \underline{?} \div 4$

What is the value of the unknown number?

2

Each model shown has been shaded to represent a fraction. Which model has a shaded portion that represents $\frac{3}{4}$?



A B C D

3

What value is 761 rounded to the nearest 100?

4

At Siesta Key beach, Daniel saw 20 dolphins each day for 6 days. Which of the following could be used to find the total number of dolphins Daniel saw?

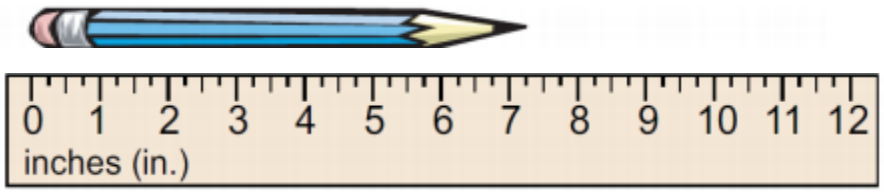
A. 20 + 6
B. 20 – 6
C. 20 × 6
D. 20 ÷ 6

5

What is the product of 6 and 80?

6

A pencil is shown.



What is the length of the pencil to the nearest half inch?

7

Which shape below is always a quadrilateral but never a rectangle?

a. Parallelogram
b. Trapezoid
c. Square
d. Rhombus

8

An equation is shown.

$3 \times 7 = 7 \times \underline{?}$

What is the missing value?

A. 21
B. 1
C. 37
D. 3

9

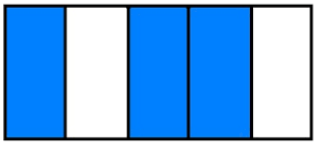
What is the sum of 138, 169, and 152?

10

Mr. Williams gave a total of $45 to 9 different students during the fundraiser. He gave the same amount of money to each student. What is the total amount of money that Mr. Williams gave to each student?

11

A figure is shown. Part of the figure is shaded.



What fraction of the total area of the figure does the shaded part represent?

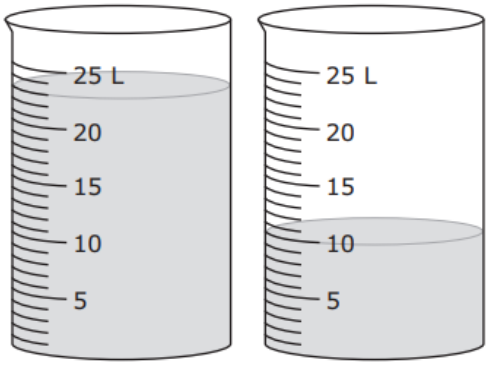
12

Carlos is trying to solve 72 ÷ 9. How can he write a multiplication problem to help him solve this division problem?

A. 9 x 72 = ___
B. 72 x ___ = 9
C. 72 = 9 x ___
D. ___ = 72 x 9

13

Dahlia put water in two beakers as part of her science experiment. The two beakers are shown below.



How much water, in liters, does Dahlia have in the beakers, altogether?

14

Antonio goes to the library at the time shown.

At what time does Antonio go to the library?

A. 1:47
B. 12:47
C. 12:12
D. 12:17

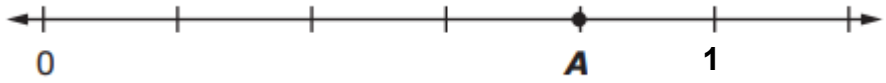
15

A. What number multiplied by 7 equals 49?

B. The number 49 divided by what number equals 7?

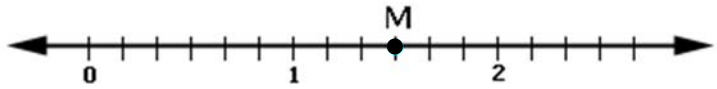
16

What fraction is represented by Point A on the number line?



17

What fraction does Point M represent on the number line below?

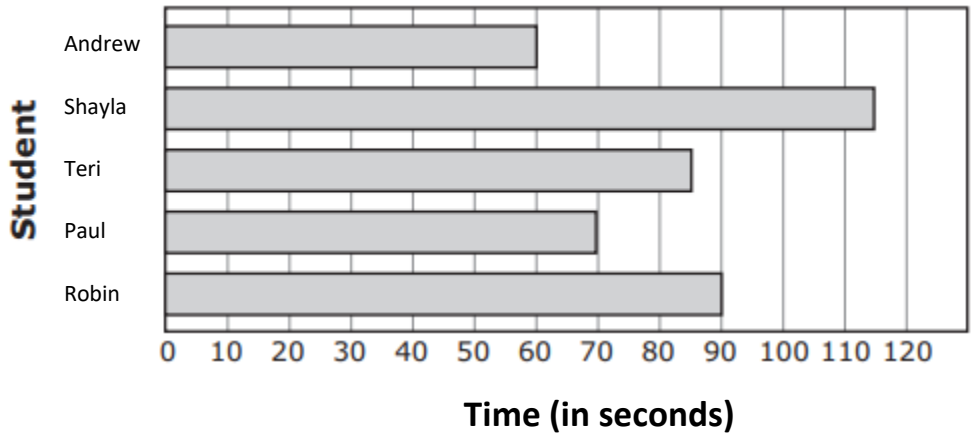


18

Allen has 63 trading cards. He separates the trading cards into 9 equal stacks. How many trading cards are in each stack?

19

The graph below shows how long five different students could hold their breath.



How much longer, in seconds, can Shayla hold her breath than Teri?

A. 40 seconds
B. 115 seconds
C. 30 seconds
D. 35 seconds

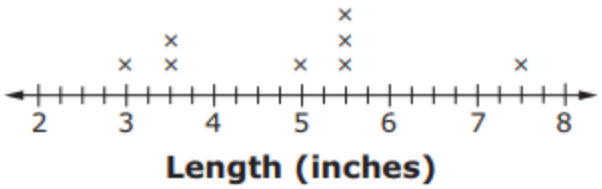
20

A. Round 593 to the nearest hundred.

B. Round 593 to the nearest ten.

21

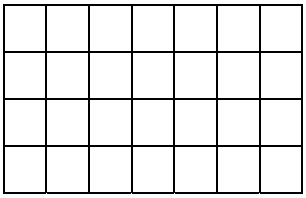
Erica measured several ribbons that she found in a basket. The measurements are shown in the line plot below.



How many of the ribbons measured more than 5 inches?

22

Esteban put the tiles shown below on the floor of his closet. If the floor is completely covered by the tiles, what is the area, in square feet, of Esteban's closet floor?



23

Select all the situations that can be represented by 36 ÷ 4.

A. Erica has 36 apples and gives 4 of them to her friend.
B. Erica has 36 apples and places an equal number of apples into 4 baskets.
C. Erica has 36 apples. Her friend gives her 4 more apples.
D. Erica has 36 apples after picking an equal number of apples on each of 4 days.
E. Erica has 36 apples and divides them up among 4 of her friends.

24

Angelica has a rectangular garden with side lengths of 4 feet and 8 feet. What is the perimeter, in feet, of Angelica's garden?

A. 12 feet
B. 20 feet
C. 24 feet
D. 32 feet

25

This question has two parts.

A third-grade class is collecting smooth stones for a science project. On the first day of collecting stones, 3 students each bring in 7 stones. By the end of the week, 150 smooth stones are added to the amount brought in on the first day.

Part A. Which equation can be used to find the total number of smooth stones, *s*, that the third-grade class collected by the end of the week?

A. $7 \times 3 + 150 = s$
B. $7 + 3 + 150 = s$
C. $7 \times 3 + s = 150$
D. $7 + 3 + s = 150$

Part B. What is the total number of plastic bottles the third-grade class has by the end of the week?

A. 150
B. 151
C. 170
D. 171

26

What is the value of the unknown number in the equation 48 ÷___ = 6?

27

Ariel is planning a garden. Which measurement describes the area of his garden?

A. the length of fence he will need
B. the amount of plants inside the garden
C. the number of seeds he will buy
D. the length of the garden multiplied by the width

28

What attributes do a square and a rhombus always have in common? Select all that apply.

A. 4 right angles
B. The number of sides
C. The lengths of the sides
D. The number of angles
E. Angle measures

29

Ms. Ramos has 9 boxes of markers. Each box contains 30 markers. How many markers does Ms. Ramos have in total?

30

Which expression is equivalent to $8 \times (4 + 2)$?

A. $(8 \times 4) \times (8 \times 2)$
B. $(8 + 4) \times (8 + 2)$
C. $(8 \times 4) + (8 \times 2)$
D. $(8 + 4) \times 2$