Tennessee Comprehensive Assessment Program

TCAP

TNReady — Grade 3 Math Part I

PRACTICE TEST

Student Name

Teacher Name

Tennessee Department of Education

Directions

This Practice Test booklet contains sample items for Grade 3 Math. Write your answers in this Practice Test booklet.

You MAY use a calculator with all test items in this test booklet.

Sample A: Selected-Response

Circle the **three** expressions that have a value of 12.

A. 2×6

B. 5×8

C. 7×2

D. 4×3

E. 1×12

Sample B: Match

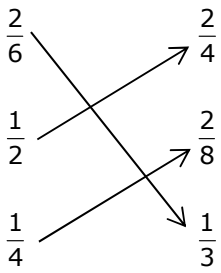
Draw lines to match each fraction on the left with its equivalent fraction on the right.

$\frac{2}{6}$	$\frac{2}{4}$
$\frac{1}{2}$	$\frac{2}{8}$
$\frac{1}{4}$	$\frac{1}{3}$

Sample Answers

A. A, D, E

B.



1. Mark has 45 cards.
He stacks the cards in 9 piles.
Each pile has the same number of cards.

Select **all** the equations that can be solved to show how many cards, c, are in each pile.

A. $5 \times c = 45$

B.* $9 \times c = 45$

C. $9 \times 5 = c$

D. $45 \div 5 = c$

E.* $45 \div 9 = c$

2. Evan has two boxes of cookies.

- The first box has 12 cookies.
- The second box has 24 cookies.

He shares all the cookies equally with 9 people.
How many cookies does Evan give each person?

A. 3 cookies

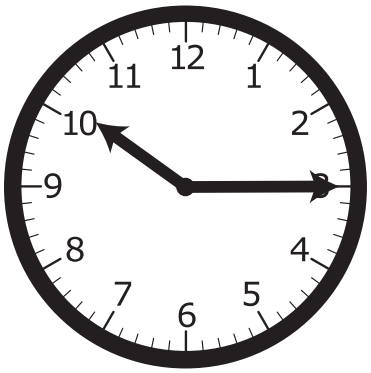
B.* 4 cookies

C. 6 cookies

D. 9 cookies

3. Jason left his house at 9:30.

He returned home at the time shown on the clock.

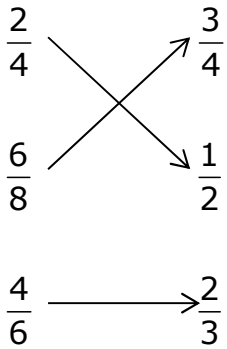


For how many minutes was Jason out of the house?

Write your answer in the space provided.

45

4. Draw lines to match each pair of equivalent fractions.



5. Jasmine has 20 marbles.

- She places the marbles in 4 groups.
- Each group has the same number of marbles.

Which expression is the number of marbles in each group?

A. 4 + 20

B. 4 ÷ 20

C. 20 – 4

D.* 20 ÷ 4

6. Mrs. Wheeler has 6 baskets of markers in her room. In each basket are:

4 red markers	3 black markers
2 orange markers	2 blue markers
1 green marker	

Part A

What is the total number of each color marker in the classroom? Enter your answer in each box.

24	red markers	18	black markers
12	orange markers	12	blue markers
6	green markers		

Part B

In total, how many more red markers than orange markers are in the classroom? Enter your answer in the box.

12

Part C

Mrs. Wheeler brings 3 more empty baskets into the classroom. Now there are 9 total baskets. She asks the students to place all of her classroom markers into the 9 baskets with an equal number of markers in each basket. How many markers will be in each basket?

8

Part D

Julie wants to put only one color in each of the nine baskets, if possible. The baskets will each have the number of markers found in ***Part C***. Julie realizes there is only one color that can be placed into baskets with no other colors. Which color is it?

Red

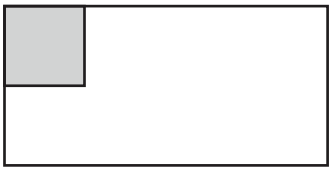
Part E

How many baskets will have the color from ***Part D***?

3

Students will receive credit if an incorrect solution for one part of the performance task is used correctly to solve another part of the task.

7. The rectangle has 1 square tile on it, as shown.



- The tile has a side length of 1 unit.
- The rectangle can be completely covered with 2 rows of 4 tiles.

What is the area, in square units, of the rectangle?

A. 1

B. 4

C. 6

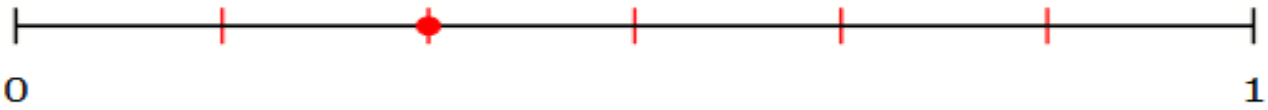
D.* 8

8. A scale is shown.

How much greater, in grams, is the mass of the cube than the mass of the cylinder?

224

9. Refer to the number line below.



Part A

Divide the number line into sixths.

Part B

Place a point at $\frac{2}{6}$.

10. The art club has 9 students. They have 72 markers to share equally. Which number sentence can be solved to find how many markers each student will have?

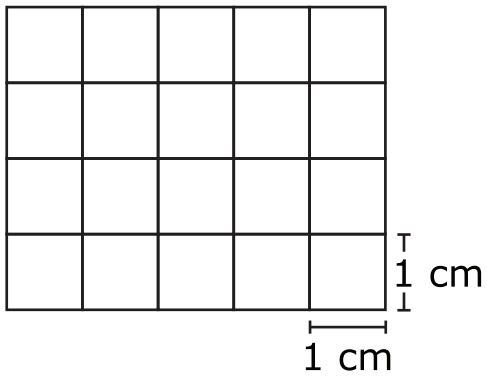
A. $9 + \square = 72$

B.* $9 \times \square = 72$

C. $72 - 9 = \square$

D. $72 \times 9 = \square$

11. What is the area of this figure?



A. 1 square centimeter

B. 2 square centimeters

C. 11 square centimeters

D.* 20 square centimeters