


Grade 7 Practice Exam (2014–2015) Math 702

SAMPLE A

A measurement tool is shown.



This tool could be used to identify the —

A temperature
 B elapsed time
 C mass of an object
 D measure of an angle

Play to Review Sample Section 1 Review/Answer Previous Next

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Directions: Type your answer in the box. Use "." for the decimal point.

SAMPLE B

$0.42 \div 2 = \underline{\hspace{1cm}}$

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Do not use a calculator to solve this problem.

This list shows the weight of three vegetables Frank bought.

- The potatoes weighed $2\frac{7}{8}$ pounds.
- The green beans weighed $1\frac{3}{4}$ pounds.
- The peppers weighed $2\frac{1}{2}$ pounds.

The total weight of the vegetables Frank bought is —



A $1\frac{1}{2}$ pounds
 B $1\frac{3}{8}$ pounds
 C $6\frac{5}{8}$ pounds
 D $7\frac{5}{8}$ pounds

Question 1 of 24 Play to Review Sample Section 1 Review/Answer Previous Next



Mr. Hansen wrote this equation on the board.



$$r + 3 = 11$$



He drew a model of this equation using this key.



Key	
	$= r$
	$= 1$

Which model best represents Mr. Hansen's equation?

A  = 

B  = 

C  = 

D  = 

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In which data set does the range have the greatest variation?

A 21, 24, 29, 25, 27

B 33, 37, 36, 36, 33

C 42, 41, 43, 46, 44

D 53, 57, 54, 51, 53

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Do not use a calculator to solve this problem.

Ms. Collins bought 2 CDs for \$24.55 each and 3 DVDs for \$16.39 each. These prices include tax. She gave the cashier \$75.00. How much change should Ms. Collins receive?

A \$14.73

B \$15.27

C \$58.06

D \$68.27

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Do not use a calculator to solve this problem.

A farmer has 1,457 apples and 678 pears.

- She will fill baskets using these pieces of fruit.
- She will fill each basket with 24 pieces of fruit.

What is the total number of baskets the farmer will be able to fill with these pieces of fruit?

A 2,135

B 779

C 88

D 60

Question 5 of 34
Section 1

This sample space shows all of the possible combinations of one type of drink and one type of snack that Leslie can choose.

Water, Apple
Water, Cheese
Water, Pretzels
Water, Banana
Juice, Apple
Juice, Cheese
Juice, Pretzels
Juice, Banana

According to the sample space, what is the probability that the combination Leslie chooses will include juice?

A $\frac{1}{10}$

B $\frac{4}{10}$

C $\frac{8}{14}$

D $\frac{8}{10}$

Question 6 of 34
Section 1

Do not use a calculator to solve this problem.

Using the order of operations, which calculation should be done first to simplify this expression?

$$54 \div 6 \div (3 + 6) \div 3$$

A $3 + 6$

B 6×3

C $6 \div 3$

D $54 \div 6$

Question 7 of 34
Section 1

Play for Scores

Question 8 of 34
Section 1

Help

Grade 7 Practice Test (2017 Math 7-9)

This table shows the number of beads Irma has in 5 bowls.

Bowl	Number of Beads
A	15
B	10
C	12
D	8
E	10

Irma will empty all the beads from these bowls and will put an equal number of beads back into each bowl. The number of beads she will put in each bowl represents the —

A sample space
 B fair share
 C product
 D pattern

Play for Scores

Question 8 of 34
Section 1

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Play for Scores



Question 9 of 34
Section 1

Help

Grade 7 Practice Test (2017 Math 7-9)

Which triangle appears to be an isosceles triangle?

A 
 C 

B 
 D 

Play for Scores

Question 9 of 34
Section 1

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Play for Scores

Question 10 of 34
Section 1

Help

Grade 7 Practice Test (2017 Math 7-9)

Which equation shows the use of the distributive property?

A $4 \times 2 \times 7 = 2 \times 4 \times 7$
 B $15(8 + 2) = 15 \times 8 + 2$
 C $6 \times (9 \times 5) = (6 \times 9) \times 5$
 D $8(3 + 3) = (8 \times 1) + (8 \times 3)$

Play for Scores

Question 10 of 34
Section 1

Submit Answer

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Grade 5 Math Review (100 items)

Directions: Click on a box to choose each statement you want to select. You must select all correct statements.

Identify each statement that is true.

The sum of two even numbers is even.

The sum of two odd numbers is odd.

The difference between an odd number and an even number is odd.

The difference between two odd numbers is even.

Play for Review Question 11 of 34 Section 1 Submit Answer Previous Next

Grade 5 Math Review (100 items)

Directions: Type your answer in the box.

What is the measure of angle XZY ?

Play for Review Question 12 of 34 Section 1 Submit Answer Previous Next

Grade 5 Math Review (100 items)

Directions: Click and drag each selected number to the correct location. You may use each number more than one time.

This list shows the number of minutes 12 students spent playing sports on Tuesday.

27, 30, 54, 30, 38, 29, 54, 38, 56, 50, 38, 29

Create a stem-and-leaf plot to show this information.

Number of Minutes Spent Playing Sports

Stem	Leaf

0	1	2	3	4
5	6	7	8	9

Key
 6|2 means 62

Play for Review Question 13 of 34 Section 1 Submit Answer Previous Next

Directions: Click and drag the symbols to the equation mat. You may use the symbols more than one time.

Using this equation mat, model the equation shown.

$$2x + w = 4$$

Equation Mat

Symbol

Key: = x = 1

John Doe
Grade 7 Practice Test, 2017 Math 101

Directions: Click on each box to choose a number. You must select all of the correct numbers.

Identify each number that will round to 7.53 when rounded to the nearest hundredth.

7.534 7.525 7.515 7.530 7.529 7.521

John Doe
Grade 7 Practice Test, 2017 Math 101

Directions: Click and drag each selected number to the correct box. Do not use a calculator to solve this problem.

Identify the decimal value that is equivalent to each fraction.

Fraction Value	Decimal Value
$\frac{1}{2}$	
$\frac{1}{4}$	
$\frac{3}{4}$	

0.5 0.4 0.2

John Doe
Grade 7 Practice Test, 2017 Math 101

Directions: Click and drag each selected number to the correct box. Do not use a calculator to solve this problem.

Arrange the four numbers shown from greatest to least.

Greatest
 ↓
 Least

4.395	$4\frac{1}{2}$	4.49	$4\frac{1}{3}$
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Directions: Click on each box to choose a number. You must select four correct answers.

Identify the four prime numbers.

15	21	5
43	2	39
29	57	17

Do not use a calculator to solve this problem.

$4.225 \div 7 = \underline{\quad ? \quad}$

- A 0.603
- B 0.602
- C 0.60
- D 6.00

Do not use a calculator to solve this problem.

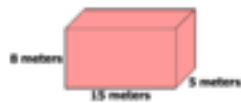
Mason has a brick and 5 wood blocks.

- The brick has a mass of 8.036 kilograms.
- Each wood block has a mass of 1.097 kilograms.

What is the difference between the mass of the brick and the combined mass of the 5 wood blocks?

- A 5.485 kilograms
- B 4.133 kilograms
- C 2.558 kilograms
- D 1.839 kilograms

A figure is shown.



What is the volume of this figure?

- A 600 cubic meters
- B 195 cubic meters
- C 120 cubic meters
- D 135 cubic meters

Which term best describes the amount of jelly a jar will hold?

- A Circumference
- B Perimeter
- C Volume
- D Area

2019-2020
Grade 3 Practice Test (2019 Math-002) **Help**

Directions: Type your answer in the box.

1.2 liters = milliliters

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2019-2020
Grade 3 Practice Test (2019 Math-002) **Help**

Which of these would most likely have a mass of 0.3 kilogram?

- A One full can of soda
- B One paper clip
- C One crayon
- D One pen

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2019-2020
Grade 3 Practice Test (2019 Math-002) **Help**


At what temperature does water boil?

- A 212°F
- B 50°F
- C 32°F
- D 0°F


Flag for Review Question 25 of 24 Section 1 **Get Hint** **Previous** **Next**

Wayne and Dani both drew congruent circles and marked the center points as Q . They each drew a line segment inside their circle as shown.

Wayne's Circle



Dani's Circle



Which statement best describes the line segments in Wayne's and Dani's circles?

- A Wayne's line segment shows a diameter, and Dani's line segment shows a radius.
- B Wayne's line segment shows a radius, and Dani's line segment shows a diameter.
- C Wayne's line segment shows a diameter, and Dani's line segment shows a chord.
- D Wayne's line segment shows a chord, and Dani's line segment shows a diameter.

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This clock shows the time Xavier finished swim practice.




His practice lasted 2 hours and 20 minutes. What time did Xavier's swim practice start?

- A 9:35
- B 7:35
- C 7:35
- D 6:55

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Which angle appears to be an obtuse angle?



- A Angle 1
- B Angle 2
- C Angle 3
- D Angle 4

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The figure shown will be cut along the dashed line segments.

What shapes will result after both cuts have been made?

A Square, trapezoid, and parallelogram
 B Square, triangle, and rectangle
 C Square, triangle, and trapezoid
 D Square, triangle, and rhombus

Question 29 of 34
Section 1

Do not use a calculator to solve this problem.

Destiny is delivering a total of 32,800 flowers to several stores. This table shows the number of these flowers she has delivered to Store P and Store Q.

Flower Deliveries	
Store	Number of Flowers
Store P	18,194
Store Q	9,294

The total number of these flowers that Destiny still needs to deliver is —

A 50,390
 B 22,380
 C 8,820
 D 4,802

Question 30 of 34
Section 1

Directions: Click and drag each selected number to the correct box.

The number of gallons of milk sold at a store each day for eight days is shown.

30, 40, 51, 30, 34, 20, 30, 40

Determine the value for each statistical measure.

Mean	<input type="text"/>
Median	<input type="text"/>
Mode	<input type="text"/>
Range	<input type="text"/>

30 31 32 35

Question 31 of 34
Section 1

Which pattern follows the rule "divide by 4" to find each number after the first?

A 300, 90, 30, 15
 B 216, 84, 16, 4
 C 52, 65, 94, 89
 D 11, 15, 19, 23


Play to Learn Question 32 of 34 Section 1 Section Review Previous Next

Which open sentence represents "a number, y , increased by 45 is 312"?

A $y + 45 = 312$
 B $y - 45 = 312$
 C $y + 45 = 312$
 D $y \times 45 = 312$

Play to Learn Question 33 of 34 Section 1 Section Review Previous Next

Using the key shown, look at this equation mat.



Which equation is represented by the equation mat shown?

A $y = 5 + 6$
 B $y + 5 = 6$
 C $y \div 5 = 6$
 D $y = 6$

Play to Learn Question 34 of 34 Section 1 Section Review Previous Next