THIRD SPACE
LEARNING

4th Grade Virgina Practice Test

Practice Test Grade 4

Grade 4

Questions

Name: ....

Class: ....

Date: ....

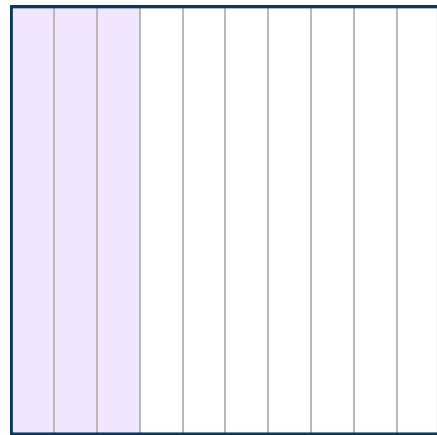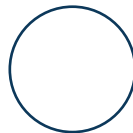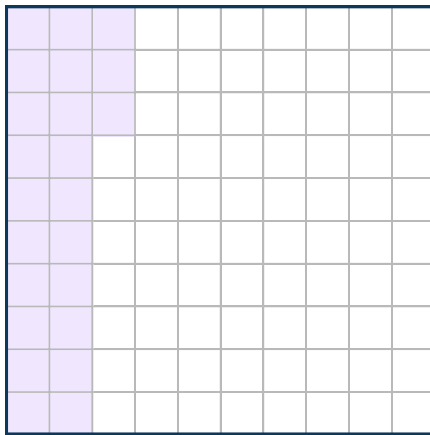Score: ....

Unit 1

12 questions

You are NOT permitted to use calculators.

1 Which of the following statements correctly compares the two decimals below?

A. 0.23 > 0.3

B. 0.03 < 0.23

C. 0.3 > 0.23

D. 23 < 3

2   Select all the numbers that are multiples of 6.

A. 1

B. 3

C. 6

D. 18

E. 24

F. 32

G. 36

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3   Show your work and enter your answer in the box.

$278 \times 82 =$

✎ Answer

---

4   Select **two** choices that are factor pairs for the number 24.

A. 2 and 12

B. 3 and 7

C. 4 and 8

D. 6 and 5

E. 3 and 8

5 Write either <, >, or = to make the comparison true.

0.5 meters _____ 0.3 meters
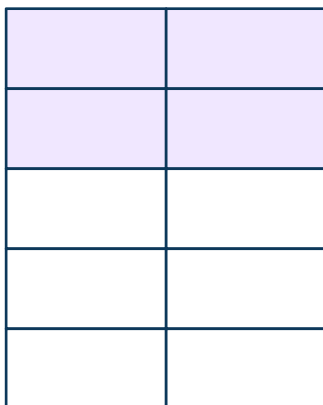
0.02 meters _____ 0.2 meters

0.30 meters _____0.3 meters

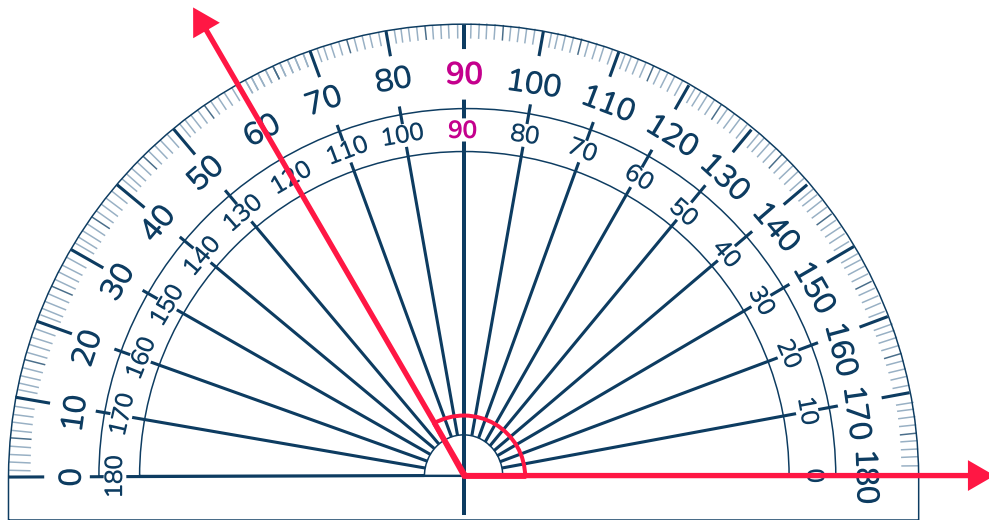**6** Enter your answer on the space provided.

$$1,968 \div 5 = _____$$

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7 Use the model below to make the comparison.

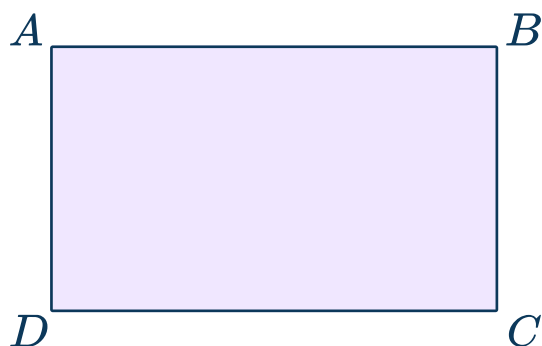Select the fraction and decimal that are equivalent to the fraction model.

A. 0.4 and $\frac{4}{5}$

B. 4.0 and $\frac{4}{10}$

C. 0.4 and $\frac{2}{5}$

D. 4.0 and $\frac{2}{4}$

8 Measure and classify the angle.

Answer:_____

---

9 Select the parallel sides of the rectangle.

A. $\overline{AB}$ and $\overline{BC}$ & $\overline{CD}$ and $\overline{AD}$

B. $\overline{AB}$ and $\overline{CD}$ & $\overline{AD}$ and $\overline{BC}$

C. $\overline{AB}$ and $\overline{CD}$ & $\overline{AD}$ and $\overline{CD}$

D. $\overline{AD}$ and $\overline{BC}$ & $\overline{AB}$ and $\overline{BC}$

10 Find the difference, 23.2 - 7.04

✎ Answer

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11 Select the number that is both a multiple of 12 and 8.

A. 4
B. 6
C. 24
D. 40

---

12 Which **three** numbers make the comparison true?

_____ > 62,893

A. 62,785
B. 62,980
C. 62,894
D. 62,891
E. 62,900

Unit 2

23 questions

You are permitted to use calculators.

1 Which statement is true about an obtuse triangle?

      A. The triangle has three acute angles.

      B. The triangle has three obtuse angles

      C. The triangle has exactly one obtuse angle.

      D. The triangle has exactly one right angle.

2 Using the following area model for multiplication, Colin solves 37 x 19.

Find the missing number in the model and then find the final product.

300	70
?	63

Missing number:_____

Product: _____

3 Nigel volunteers at an animal shelter. They have 48 pounds of dog food. Nigel feeds the dogs in servings of ounces. How many ounces of dog food does the animal shelter have?
(1 pound = 16 ounces)

    A. 48 ounces

    B. 3 ounces

    C. 768 ounces

    D. 722 ounces

---

4 What is the rule for the number pattern below?

192, 48, 12, 3, ...

Write your answer in the space below.

> ✎ Answer

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5 Rachel makes clothes with a particular type of fabric. She bought 72 yards of this fabric this week which was three times the amount of fabric he bought last week. How many yards of fabric did she buy last week? Show your work in the space below.

> ✎ Answer

6   Joy is buying party favors for her 12th birthday. Each party favor costs $15.75. If she buys 16 party favors, which amount is the closest to the total she will pay?

A. $250
B. $260
C. $270
D. $280

7   A class is comparing the digits' values in the numbers 145,802 and 18,425.

Which statements are true? Select all that apply.

A. The digit 2 in 145,802 is ten times larger than in 18,425.
B. The digit 8 in 18,425 is ten times larger than in 145,802.
C. The digit 5 in 18,425 is one thousand times smaller than in 145,802.
D. The digit 4 in 145,802 is one thousand times larger than in 18,425.
E. The digit 1 in 145,802 is one hundred times larger than in 18,425.

8 Julian has a wire that is $\frac{15}{6}$ meters long. He needs to cut the wire into two pieces. List two different pairs of fractions that could show the lengths in meters, of the two pieces. Explain how you found your answers. Use the space provided to write your answer.

✎ Answer

9 A company is doing research about electric cars. They conducted a survey to ask 113 people that drive electric cars, the brand of electric car they drive. The results are in the graph below.

Electric Cars

Brand	Value
Tesla	35
Ford F150	20
Rivian	30
Chevy Bolt	
Mini Cooper	10
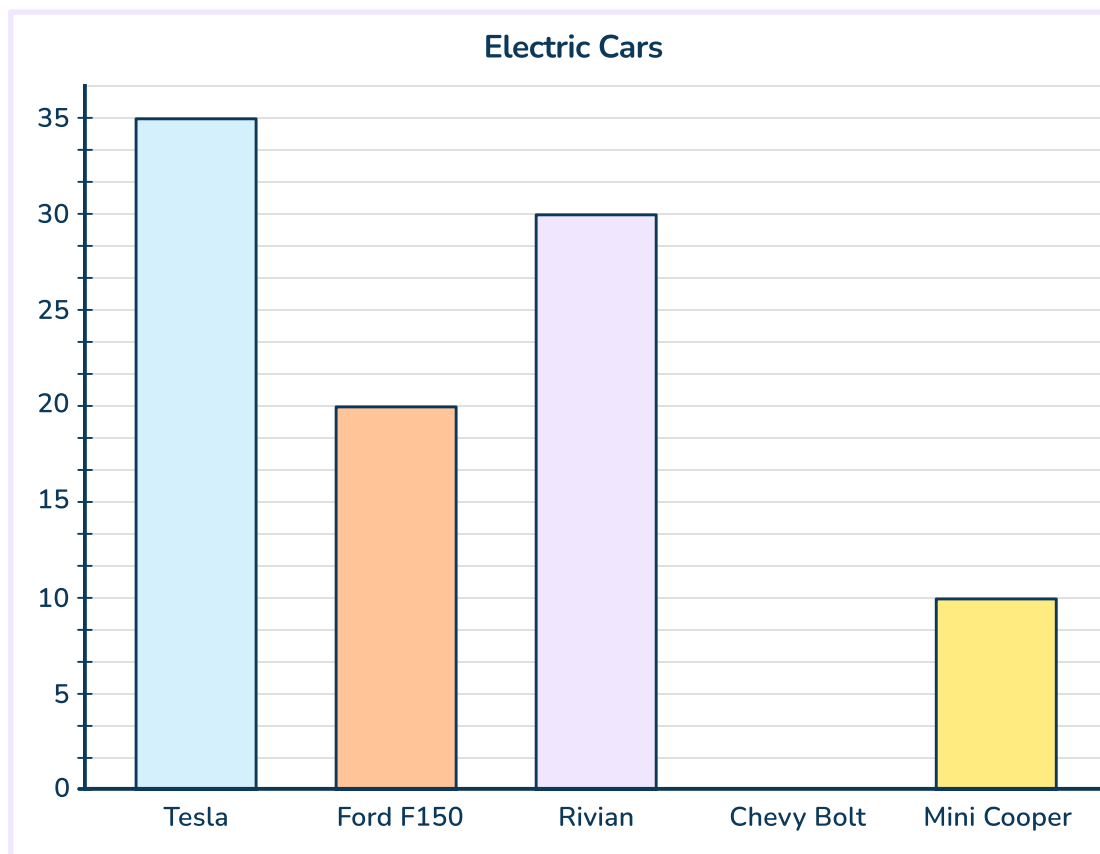
Explain a strategy you can use to find the exact amount of people that drive a Chevy Bolt. Use the space below to explain your answer.
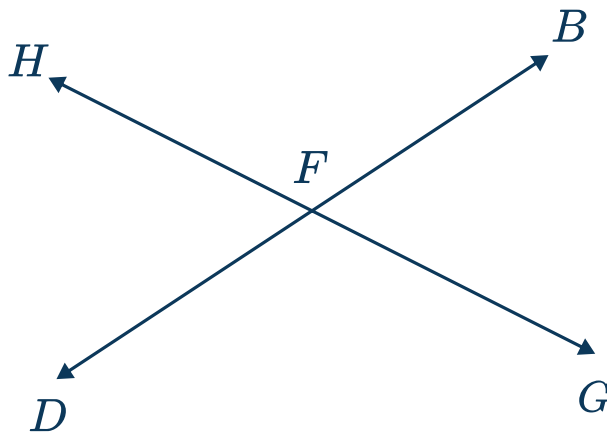
✎ Answer

10 There are four red, six blue, and eight green marbles in a bag. What is the probability of not selecting a green marble?

Probability: _____

---

11 Travis leaves New York City on an 8:10 AM flight.
He lands in Miami, Florida at 11:26 AM.
How long was the flight?

Answer:_____

---

12 Use the figure below to identify a ray, a line, and an acute angle.

Ray:_____

Line:_____

Acute angle:_____

13 Identify the place value position for each digit in the number, 4,609.82

	4	6	0	9	8	2
Place Value						

14 Look at the pattern of figures below. If the pattern continues, how many squares will make up the 6th figure? Place your answer on the space provided.
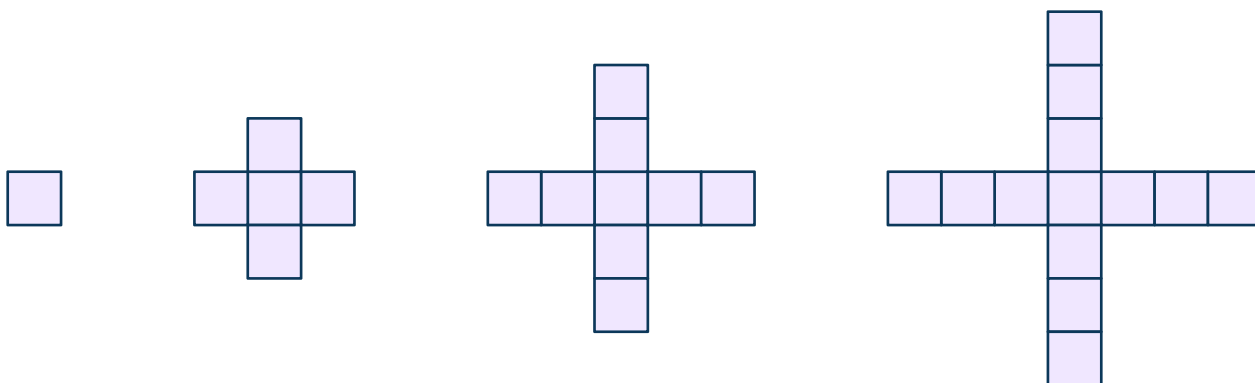
Number of squares in the 6th figure: _____

15 Find the missing values in the input/output table.

Input	Output
5	8
6	9
7	10
?	?

16 Nora walked 0.7 miles to school. Darrin walked $\frac{3}{10}$ miles on Thursday and $\frac{8}{100}$ miles on Friday. He tells Nora that he walked further than she did because $\frac{3}{10} + \frac{8}{100} = \frac{38}{100}$ miles and 38 is greater than 7. Identify the incorrect reasoning of Darrin's statement and correct it.

Use the space below to write your answer.

✎ Answer

17 Which expression is equivalent to $4 \times \frac{2}{3}$?

A. $8 \times \frac{1}{3}$
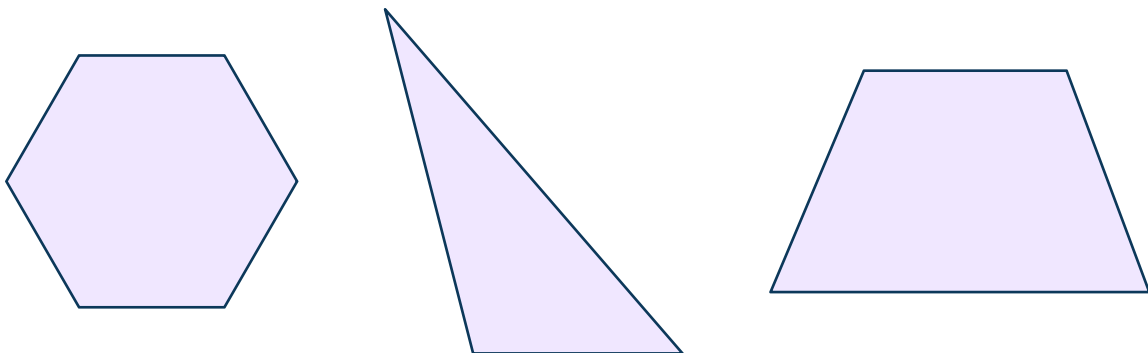
B. $8 \times \frac{1}{2}$

C. $8 \times \frac{2}{3}$

D. $2 \times \frac{2}{3}$

---

18 Theo sorts these figures into the same group.

Which statement best describes the figures in this group?

A. Each figure has at least one pair of parallel sides.

B. Each figure has at least one acute angle.

C. Each figure is a regular polygon.

D. Each figure has at least one obtuse angle.

19 Mrs. Crane's students choose extra curricular activities to do after school. The table below shows the fractions of all students who chose each activity.

Activity	Fraction of all students
Chess Club	$\dfrac{2}{10}$
School Spirit Club	$\dfrac{4}{10}$
Soccer Club	$\dfrac{3}{10}$
Theater Club	$\dfrac{1}{10}$

Write an equation to find s, the fraction of students that chose the chess club and the theater club. Then solve the equation for s. Use the space below to write your answer.

✏ Answer

20 Ky has 3 cupcakes that he has to divide among himself and 4 friends. Which number sentence represents this situation?

A. $5 \div 3 = \dfrac{5}{3}$

B. $4 \div 3 = \dfrac{4}{3}$

C. $3 \div 4 = \dfrac{3}{4}$

D. $3 \div 5 = \dfrac{3}{5}$

21 Before going on vacation, Kate went shopping. She bought suntan lotion for $12.73, shampoo for $8.10, and toothpaste for $5.24, including tax. She gave the cashier $30. How much change should she get back?

A. $3.93

B. $3.30

C. $3.90

D. $3.03

22 Finn is measuring the perimeter of his rectangular shaped bedroom. He measured the dimensions of his room in inches and needs to change the dimensions into feet. If the room dimensions are 144 inches by 108 inches, what are the dimensions in feet?

12 inches $= 1$ foot

The dimensions of the room in feet _____

Perimeter of the room in feet _____

23 Write the number in standard form, *Eight million, four hundred fifty-two thousand, three.*

Answer:_____

Answer Key

Unit 1 No Calculator			
Item number	**Correct answer**	**Standard(s)**	**DOK**
1	C	**4.NS.4**	DOK 2
2	C, D, E, G	**4.CE.2**	DOK 2
3	478 x 82 = 22,796	**4.CE.2**	DOK 1
4	A, E	**4.CE.2**	DOK 1
5	0.5 m > 0.3 m 0.02 m < 0.2 m 0.30 m = 0.3 m	**4.NS.4**	DOK 2
6	393 *R* 3	**4.CE.2**	DOK 1
7	C	**4.NS.5**	DOK 3
8	120° Obtuse angle	**4.MG.5**	DOK 2
9	B	**4.MG.6**	DOK 2
10	23.2 - 7.04 = 16.16	**4.CE.4**	DOK 1
11	C	**4.CE.2**	DOK 2
12	B, C, E	**4.NS.2**	DOK 2

4th Grade Virgina Practice Test - Answers

	Unit 2 Calculator		
Item number	Correct answer	Standard(s)	DOK
1	C	**4.MG.4**	DOK 2
2	Missing number = 270 Product = 703	**4.CE.2**	DOK 3
3	C	**4.MG1.**	DOK 2
4	Divide by 4	**4..PFA.1**	DOK 2
5	$72 \div 3 = 24$ 24 yards	**4.CE.2**	DOK 3
6	A	**4.CE.4**	DOK 2
7	B, C	**4.NS.2**	DOK 3
8	Sample answer: $\frac{15}{6} = \frac{7}{6} + \frac{8}{6}$ $\frac{15}{6} = \frac{10}{6} + \frac{5}{6}$ Using the same denominator to find two sets of fractions that add to be $\frac{15}{6}$. The numerators have to sum to 15, so the two fractions used had numerators of 7 & 8 and 10 & 5.	**4.CE.3**	DOK 3
9	Add the amounts for Tesla, Ford 150, Rivian, and Mini-Cooper and subtract that sum from the total. $113 - (35 + 20 + 30 + 10) = 18$	**4.PS.1**	DOK 3

4th Grade Virgina Practice Test - Answers

	Unit 2 Calculator		
Item number	Correct answer	Standard(s)	DOK
10	Probability $= \frac{10}{18} = \frac{5}{9}$	**4.PS.2**	DOK 2
11	3 hours and 16 minutes	**4.MG.2**	DOK 2
12	Sample answer: Ray FB Line HG Acute angle BFG	**4.MG.4**	DOK 1
13	4 = thousands 6 = hundreds 0 = tens 9= ones 8 = tenths 2 = hundredths	**4.NS.1**	DOK 1
14	21	**4.PFA.1**	DOK 3
15	Input = 8 Output = 11	**4.PFA.1**	DOK 3
16	The incorrect reasoning is: $\frac{3}{10}$ = 0.30 $\frac{8}{100}$ = 0.08 Add them together = 0.30 + 0.08 = 0.38 0.38 < 0.70	**4.NS.5**	DOK 3
17	A	**4.CE.3**	DOK 2
18	D	**4.MG.5**	DOK 2

4th Grade Virgina Practice Test - Answers

	Unit 2 Calculator		
Item number	Correct answer	Standard(s)	DOK
19	$s = \frac{2}{10} + \frac{1}{10}$ $s = \frac{3}{10}$	**4.CE.3**	DOK 2
20	C	**4.CE.3**	DOK 2
21	A	**4.CE.4**	DOK 2
22	Dimensions = 12 ft x 9 ft Perimeter = 42 ft	**4.MG.1** **4.MG.3**	DOK 3
23	8,452,003	**4.NS.1**	DOK 1

Breakdown of Assessment by domain				
Number and Number Sense (NS)	Computation and Estimation (CE)	Measurement and Geometry (MG)	Probability and Statistics (PS)	Patterns, Functions, and Algebra (PFA)
23%	39%	23%	6%	9%

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