

- 1 **2.1.a** Which digit is in the ten thousands place in 387,549?

A 3 C 7
B 4 D 8

- 2 **1.1** Which rule describes this sequence?

1, 4, 7, 10, ...

A Count down by threes.
B Count down by fours.
C Count up by threes.
D Count up by fours.

- 3 **2.1.b** Lara's grandmother gave her one dollar.



How many cents is three fourths of a dollar?

A \$0.25
B \$0.34
C \$0.75
D \$7.50

- 4 **2.2.c** There are 70 students in the fifth grade. There are 10 lunchroom tables in the cafeteria. The same number of students sit at each table. What number of students sit at each table?

A 7
B 10
C 11
D 60

- 5 **5.2.b** How many different three-digit numbers use the digits 1, 2, and 3?

A three
B four
C five
D six

- 6 **1.2** Ruben had 18 baseball cards. He gave some of them away to a friend. At the end of the day, Ruben had 11 baseball cards. Which equation can be used to find the number of baseball cards Ruben gave away?

A $11 + 18 = n$
B $11 + n = 18$
C $18 + n = 11$
D $n + 18 = 11$

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- 7 **2.1.c** The members of the Hiking Club went on a camping trip. On the first day, they camped at a site that was 237 feet above sea level. On the second day, their campsite was 304 feet above sea level. Which statement compares the feet above sea level of the two campsites?

A $237 < 304$
B $237 + 304$
C $304 < 237$
D $304 = 237$

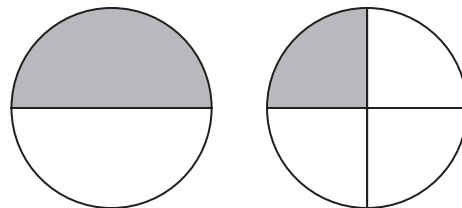
- 8 **4.2** Coins are often put into rolls to make it easier to determine their value. Nickels are put into rolls of 40 nickels. What is the value of one roll of nickels?

A \$1.00
B \$2.00
C \$4.00
D \$20.00

- 9 **2.2.a** Allie bought a book for \$3.80. She gave the clerk a \$5 bill. How much change should she receive?

A \$1.20
B \$2.20
C \$2.80
D \$8.80

- 10 **2.2.b** Which of the following statements is true about the sum of $\frac{1}{2} + \frac{1}{4}$?



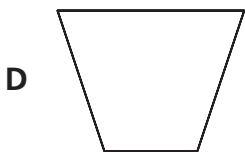
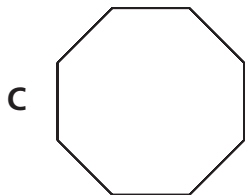
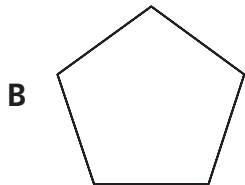
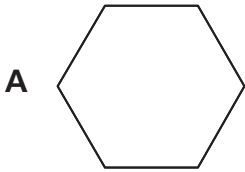
A The sum is less than zero.
B The sum is less than one.
C The sum is greater than one.
D The sum is greater than two.

- 11 **1.3** Mark wrote the following addition example.

$$4 + 5 + 6$$

Which expression gives the same sum as Mark's example?

- A $4 + 5 - 6$
- B $4 + 6 + 5$
- C $4 + (5 \times 6)$
- D $4 \times 5 \times 6$
-
- 12 **3.1** Which of these shapes is a hexagon?



- 13 **3.2** Which of the following statements is not true?

- A A right angle is like the corner of a square.
- B A right angle has an opening less than the opening of an obtuse angle.
- C A straight angle has an opening that forms a straight line.
- D A right angle always opens to the right.

- 14 **4.1.c** Jason spends 180 minutes reading every week. How many hours does Jason spend reading every week?

- A 2
- B 3
- C 4
- D 9



- 15 **5.1.a** Ms. Fischer’s fifth-grade students made tally marks in the chart to keep track of the responses as they took a survey of favorite pets.

Favorite Pet

Type of Pet	Number of Times Chosen
cat	
guinea pig	
dog	
turtle	

Which of these tables shows the same information?

A

Favorite Pet

Type of Pet	Frequency
cat	30
guinea pig	14
dog	25
turtle	9

B

Favorite Pet

Type of Pet	Frequency
cat	6
guinea pig	2.4
dog	5
turtle	1.4

C

Favorite Pet

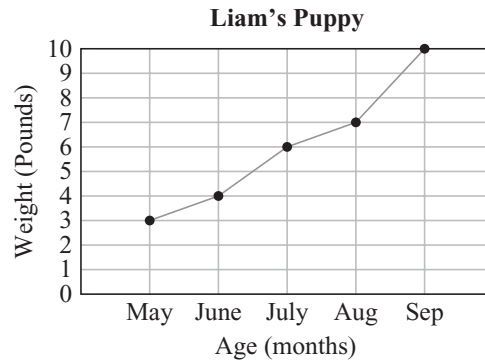
Type of Pet	Frequency
cat	24
guinea pig	15
dog	20
turtle	8

D

Favorite Pet

Type of Pet	Frequency
cat	8
guinea pig	14
dog	4
turtle	6

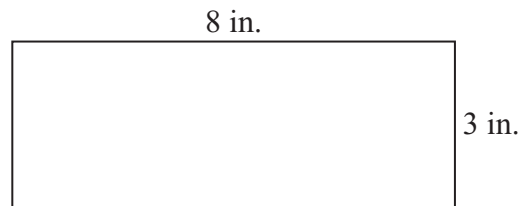
- 16 **5.1.b** Liam received a puppy for his birthday. The line graph below shows how much weight the puppy gained each month after Liam brought him home.



During which time period did the puppy gain two pounds from the previous month?

- A from May to June
- B from June to July
- C from July to August
- D from August to September

- 17 **4.1.b** What is the perimeter of this rectangle?



- A 11 in.
- B 22 in.
- C 24 in.
- D 121 in.

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- 18 **5.2.a** Elias has a spinner that is divided into 5 equal-sized sections. The sections are labeled with the numbers 1 through 5. What is the probability of spinning a number less than 4 on his first spin?

A $\frac{1}{5}$
B $\frac{2}{5}$
C $\frac{3}{5}$
D $\frac{4}{5}$

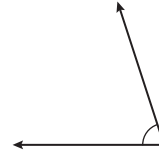
- 19 **5.3** India received the following scores on her math tests: 80, 80, 90, 95, and 75. What is the range of her scores?

A 15
B 20
C 80
D 90

- 20 **2.1.d** Which is the greatest common factor of 12 and 18?

A 2
B 6
C 12
D 18

- 21 **4.1.a** Which could be the measurement of this angle?



A 40°
B 72°
C 110°
D 126°

- 22 **1.2** Stella does a series of exercises for 30 minutes each morning. She does each exercise for 5 minutes. She writes this equation to find the number of exercises she can do in each work-out session.

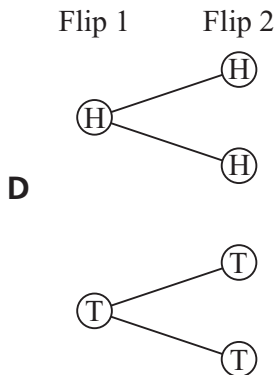
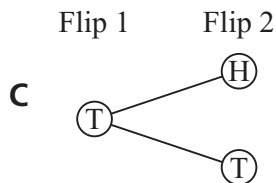
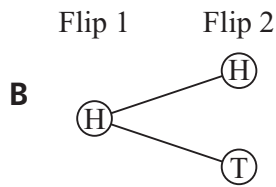
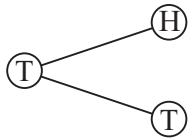
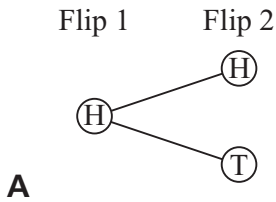
$$5n = 30$$

Which step could Stella use to solve the equation?

A Multiply 30 by 5.
B Multiply 30 by 6.
C Divide 30 by 5.
D Divide 30 by 6.

Go On \rightarrow

- 23 **5.2.b** Tanya has a penny. She flipped the penny twice. Which tree diagram shows the possible outcomes of Tanya's coin flips?



- 24 **1.2** Elizabeth had 26 markers. She gave some of them away to a friend. At the end of the day, she had 12 markers. Which equation can be used to find m , the number of markers Elizabeth gave away?

- A $m - 12 = 26$
- B $m - 26 = 12$
- C $12 - m = 26$
- D $26 - m = 12$

- 25 **1.1** Jeremy made this function table.

In	Out
2	1
4	2
6	3

If n is the "in" number, which expression can be used to find the "out" number?

- A $n - 1$
- B $n - 2$
- C $2n$
- D $n \div 2$

26 **2.1.d** Which factors of 24 are also factors of 36?

- A 2, 3, 4, 6
- B 3, 4, 12, 14
- C 3, 4, 6, 18
- D 3, 6, 12, 24

27 **5.2.a** A bag of marbles contains 2 green marbles, 3 red marbles and 4 yellow marbles. What is the probability of picking a green or red marble?

- A $\frac{9}{5}$
- B $\frac{2}{9}$
- C $\frac{3}{9}$
- D $\frac{5}{9}$

28 **1.3** Which expression gives the same result as $(6 \times 4) \times 5$?

- A $(6 + 4) \times 5$
- B $6 \times (4 \times 5)$
- C $6 + (4 \times 5)$
- D $(6 + 4) + 5$

29 **1.3** Vincent has two choices in solving the example below.

$$15 \times (30 + 6)$$

One way to solve the example is to multiply 15×36 . Which expression shows another way Vincent can solve this example?

- A $(15 \times 30 \times 6)$
- B $(15 \times 30) + (15 \times 6)$
- C $(15 + 30) \times (15 + 6)$
- D $(10 \times 5) + (30 \times 6)$

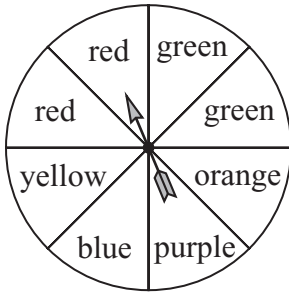
30 **1.1** If n is the "in" number in this function, which expression can be used to find the "out" number?

In (n)	1	3	5
Out	4	6	8

- A $n + 3$
- B $n - 3$
- C $n \times 3$
- D $n \div 3$

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- 31 **5.2.a** Jeanine has a spinner that has colored sections that are all the same size. The arrow on the spinner is pointing to red.



What is the probability that the arrow will point to green on the next spin?

- A $\frac{1}{8}$
 B $\frac{1}{4}$
 C $\frac{2}{1}$
 D $\frac{8}{2}$
-
- 32 **4.1.c** A wall is 4 meters long. Kaya is stenciling a border along the length of the wall. The design of the stencil repeats every 40 centimeters. How many times will the design repeat on the wall?
- A 1
 B 10
 C 100
 D 160

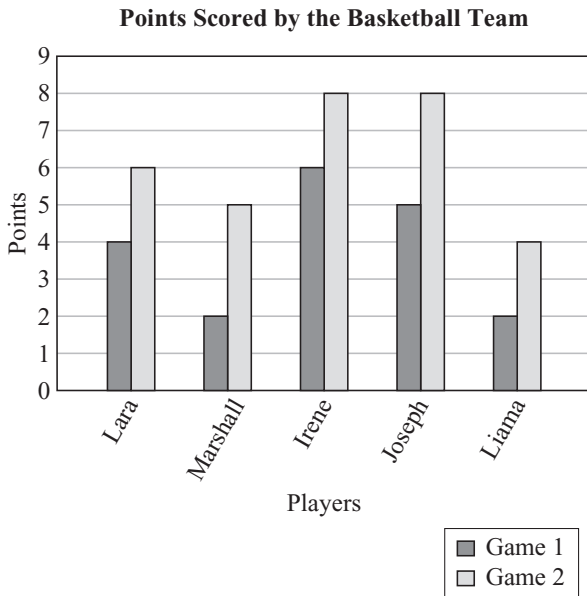
- 33 **2.1.c** The high temperature for the day was 14°F . The low temperature for the day was -5°F . How many degrees are there between the high temperature and the low temperature?

- A 9°F
 B 11°F
 C 14°F
 D 19°F

- 34 **2.2.a** A swimmer from the United States swam the men's Olympic 100-meter butterfly in 50.58 seconds. A swimmer from Papua New Guinea swam the race in 51.86 seconds. How much less time did the American swimmer take to swim the 100-meter butterfly race?

- A 1.28 seconds
 B 1.38 seconds
 C 102.44 seconds
 D 128 seconds

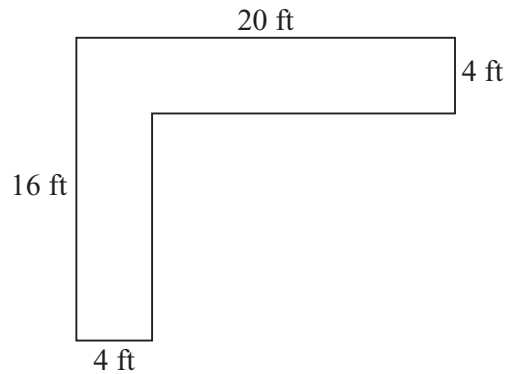
- 35 **5.1.b** This graph shows the number of points scored by the players on the basketball team.



What is the difference between the number of points scored by the players in Game 2 and the number of points scored in Game 1?

- A 12
- B 19
- C 28
- D 32

- 36 **4.1.b** Frances would like to find out the area of her hallway. The shape of the hallway is shown below.



Which equation shows how Frances could calculate the area?

- A $16 \text{ ft} + 4 \text{ ft}$
 - B $16 \text{ ft} \times 4 \text{ ft}$
 - C $(16 \text{ ft} + 4 \text{ ft}) + (16 \text{ ft} + 4 \text{ ft})$
 - D $(16 \text{ ft} \times 4 \text{ ft}) + (16 \text{ ft} \times 4 \text{ ft})$
-
- 37 **3.1** Which shape has exactly one pair of parallel sides?

- A hexagon
- B parallelogram
- C rhombus
- D trapezoid

Go On \rightarrow

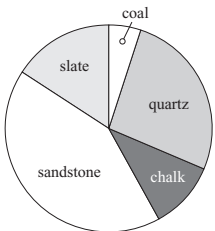
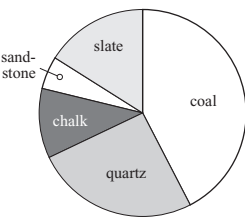
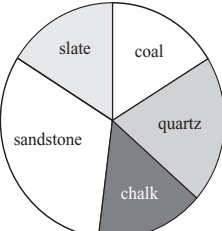
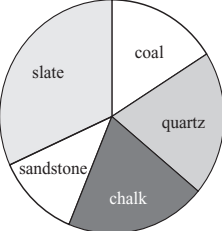


- 38** **5.1.a** Maya likes to collect rocks. The following table shows the number of rocks Maya has in her collection.

Maya's Rock Collection

Type of Rock	Number of Rocks
coal	1
quartz	5
chalk	2
sandstone	8
slate	3

Which circle graph best represents the information in the table?

- A** **Maya's Rock Collection**

- B** **Maya's Rock Collection**

- C** **Maya's Rock Collection**

- D** **Maya's Rock Collection**


- 39** **5.3** Danny recorded the temperature at 6 p.m. each day for one week. His readings are listed below.

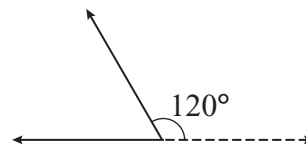
52°F, 53°F, 62°F, 58°F, 51°F, 52°F, 60°F

What is the mode of the temperatures?

- A** 11
B 52
C 53
D 62
-
- 40** **2.2.b** Jack has a piece of cheese that weighs $\frac{5}{8}$ pound. He uses $\frac{1}{4}$ pound of the cheese in a recipe. How much of the cheese is left?

- A** $\frac{3}{8}$ **C** $\frac{3}{4}$
B $\frac{1}{2}$ **D** $\frac{7}{8}$

- 41** **4.1.a** Which shows the measurement of the acute angle?



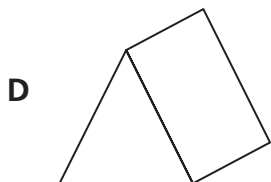
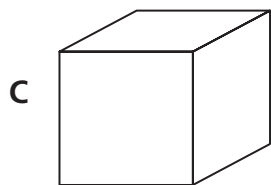
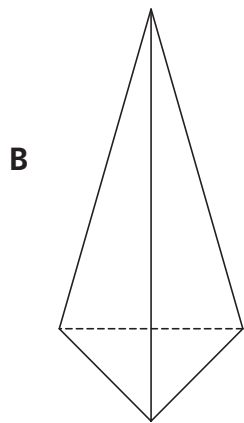
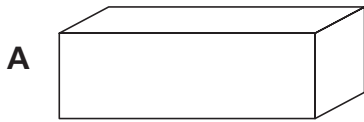
- A** 20°
B 30°
C 60°
D 120°

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- 42 **5.2.b** Inside three boxes, there are three prizes: a toy car, a pack of trading cards, and a whistle. One prize was inside each box. How many possible arrangements of the prizes are there?

A three
B four
C five
D six

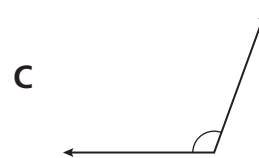
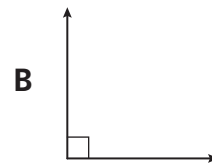
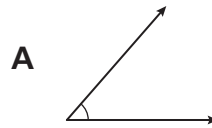
- 43 **3.1** Which figure has faces that are squares and rectangles?



- 44 **4.2** While on vacation, Rita buys 3 key chains to give to her friends. The key chains cost the same amount. Rita spends a total of \$9.87. What is the cost of each key chain?

A \$2.95
B \$3.27
C \$3.29
D \$3.39

- 45 **3.2** Which of these angles appears to be a right angle?



Go On →

46 **2.1.b** Which lists the numbers in order from least to greatest?

- A 0.451, 0.5, 0.54
- B 0.451, 0.54, 0.5
- C 0.54, 0.5, 0.451
- D 0.5, 0.54, 0.451

47 **5.3** The Lipani family kept track of how many miles they drove each day for one week.

14 miles, 15 miles, 8 miles, 14 miles,
19 miles, 24 miles, 48 miles

Which is the range of the miles driven?

- A 14
- B 15
- C 16
- D 40

48 **4.1.b** Theresa wants to order a rug for her living room. The living room floor measures 10 feet by 15 feet. What is the area of the rug she needs?

- A 25 sq. ft
- B 50 sq. ft
- C 150 sq. ft
- D 250 sq. ft

49 **2.2.c** As part of her exercise plan, Tara walks 8.5 miles each week. She walks the same route each day and goes for her walk 5 days a week. Which is the distance that Tara walks each day?

- A 0.17 mile
- B 1.07 miles
- C 1.7 miles
- D 17 miles

50 **2.1.a** Which shows the value of the 4 in the number 99,438,622?

- A 400
- B 4000
- C 40,000
- D 400,000

