1 `2.1.a` Which number equals six hundreds and five tens?

A 65

B 605

C 615

D 650

2 `1.1` Which rule describes this sequence?

24, 21, 18, 15, …

A Count up by twos.

B Count up by threes.

C Count down by twos.

D Count down by threes.

3 `5.2.b` Sam can eat eggs, pancakes, and burritos for breakfast, lunch, and dinner. He has one for each meal, but not necessarily in that order. The chart below shows all of the possible arrangements of meals Sam can eat.

Breakfast	Lunch	Dinner
eggs	pancakes	burritos
eggs	burritos	pancakes
pancakes	eggs	burritos
pancakes	burritos	eggs
burritos	eggs	pancakes
burritos	pancakes	eggs

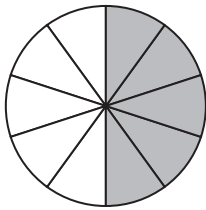If Sam never eats eggs for dinner, how many meal arrangements are possible?

A two

B three

C four

D five

Go On ⟶

4 **2.2.c** Ms. Marci buys 48 tulips. She uses them to make 6 centerpieces for a party. She puts the same number of tulips in each centerpiece. How many tulips does Ms. Marci put in each centerpiece?

A 8

B 9

C 12

D 42

5 **2.2.b** The drawing shows that two half circles form a whole circle.

Which equation below states that two halves equal a whole?

A $\frac{1}{5} + \frac{1}{2} = 1$

B $\frac{1}{2} + \frac{1}{10} = 1$

C $\frac{5}{10} + \frac{1}{2} = 1$

D $\frac{2}{2} + \frac{10}{10} = 1$

6 **2.1.c** Priya measured the temperature in her backyard. Her records show that the temperature was 47 degrees at 6 o'clock in the morning, 63 degrees at noon, and 52 degrees at 6 o'clock in the evening. Which statement compares the temperature at 6 o'clock in the morning with the temperature at noon?

A $47° > 52°$

B $47° > 63°$

C $47° < 63°$

D $52° < 63°$

7 **1.2** Ten years from now, Jessica will be 18 years old. Which equation can be used to find Jessica's age now?

A $10 + 18 = a$

B $10 - a = 18$

C $a - 10 = 18$

D $a + 10 = 18$

Go On ⟶

8 ◀**4.2** Olivia is saving for a new computer that costs $510. So far she has the amount of money shown below.

How much _more_ money does Olivia need to save in order to purchase the computer?

A $158

B $168

C $242

D $862

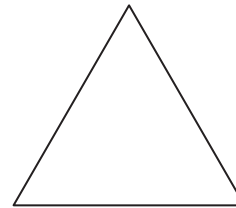**9** ◀**1.3** Which symbol will make this sentence true?

$(3 \times 4) \times 2 \bigcirc 3 \times (4 \times 2)$

A $<$

B $>$

C $\times$

D $=$

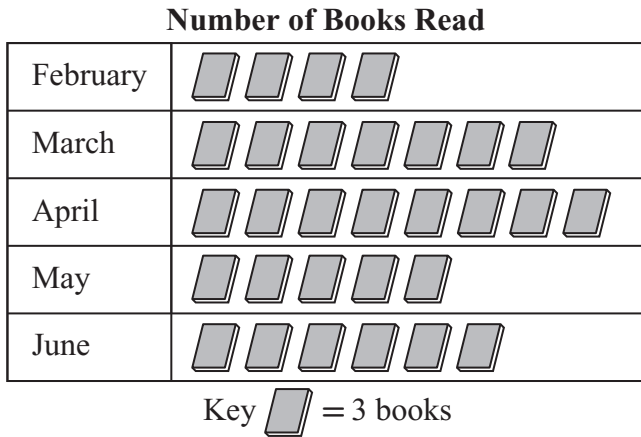**10** ◀**3.1** Which statement _best_ describes a quadrilateral?

A A quadrilateral is a polygon with four sides.

B A quadrilateral is a polygon with five sides.

C A quadrilateral is a shape with a smooth curve.

D A quadrilateral is any polygon that is formed with line segments.

11 ◀**3.2** How many acute angles does this triangle have?

A 0

B 1

C 2

D 3

Go On ⟶

12 🔊**5.1.b** The fifth grade took part in a Read-A-Thon. The number of books read by the fifth grade is shown in the pictograph.

Number of Books Read

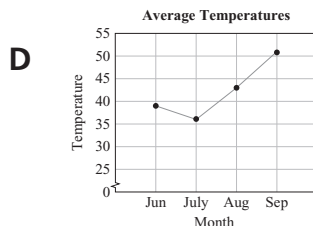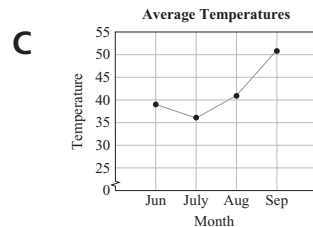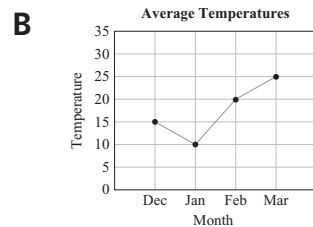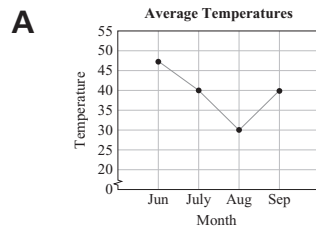| February	📖 📖 📖 📖
March	📖 📖 📖 📖 📖 📖
April	📖 📖 📖 📖 📖 📖 📖
May	📖 📖 📖 📖
June	📖 📖 📖 📖 📖

Key 📖 = 3 books

Which statement <u>correctly</u> describes the data in the graph?

A The students read six more books in April than they read in March.

B The students read an equal number of books in February and in May.

C The students read three more books in February than they read in June.

D The number of books read in April was twice the number read in February.

13 🔊**5.1.a** This table shows the average temperature in Oklahoma City during the winter months.

Average Temperature in Oklahoma City	
Month	**Temperature**
December	39°F
January	36°F
February	41°F
March	51°F

Which line graph <u>best</u> represents the information shown on the table?

A

Average Temperatures

B

Average Temperatures

C

Average Temperatures

D

Average Temperatures

Go On ⟶

14 **4.1.b** A carpenter has a plywood board that is 4 feet long and 3 feet wide. She will cut a rectangular piece from the plywood that has a perimeter of 10 feet. What could be the length and width of the rectangular piece?

A 1 foot long by 3 feet wide

B 2 feet long by 2 feet wide

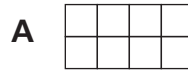C 2 feet long by 3 feet wide

D 3 feet long by 3 feet wide

15 **5.2.a** A bag of marbles contains 3 green marbles, 4 red marbles and 6 yellow marbles. What is the probability of picking a green or red marble?

A $\frac{13}{7}$

B $\frac{3}{13}$

C $\frac{4}{13}$

D $\frac{7}{13}$

16 **2.1.b** Julia saved $\frac{1}{10}$ of the money she earned raking leaves. Which decimal is equivalent to $\frac{1}{10}$?

A 0.01

B 0.1

C 1.0

D 10

17 **2.1.b** Latoya wants to know if 8 is a composite number. Which array can help Latoya make her decision?

A

B

C

D

18 **2.2.a** Irene is training for the 200-m dash. Yesterday she ran the dash in 31.36 seconds. She wants to run the dash in 28.11 seconds. By how many seconds must she reduce her time in order to reach her goal?

A 3.25 seconds

B 3.75 seconds

C 32.50 seconds

D 59.25 seconds

19 **4.1.c** Ian grew a prize-winning pumpkin in his garden. His pumpkin had a mass of 8 kilograms. What was the mass of the pumpkin in grams?

A 80 grams

B 800 grams

C 8000 grams

D 80,000 grams

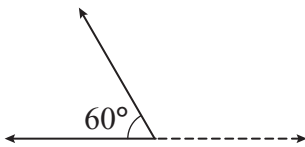**Go On ⟶**

Getting Ready for the OCCT

20 **5.3** Liam recorded the temperature at 6 p.m. each day for one week. His readings are listed below.

56°F, 53°F, 62°F, 58°F, 51°F, 56°F, 60°F

What is the mode of the temperatures?

A 11

B 56

C 58

D 62

21 **4.1.a** Which shows the measurement of the obtuse angle?

60°

A 140°

B 30°

C 60°

D 120°

22 **1.3** Joshua writes this expression: $\frac{1}{6} \times 4$.

Which expression shows another way to write Joshua's example?

A $\frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6}$

B $\frac{4}{6} + \frac{4}{6} + \frac{4}{6} + \frac{4}{6}$

C $4 \times \frac{1}{6}$

D $4 \div \frac{1}{6}$

23 **2.2.a** A recipe calls for 12.25 grams of parsley and 7.5 grams of oregano. Which expression has a value that is <u>closest</u> to the mass of the two spices?

A 12 + 7
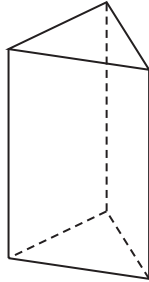
B 12 + 8

C 13 + 7

D 13 + 8

24 **4.1.b** A carpenter has a plywood board that is 10 feet long and 8 feet wide. What is the area of the rectangular piece?

A 18 sq. ft

B 36 sq. ft

C 80 sq. ft

D 160 sq. ft

Go On ⟶

25 ◀3.1 What shapes are the faces of this solid figure?

A All of the faces are triangles.

B All of the faces are rectangles.

C The faces are triangles and squares.
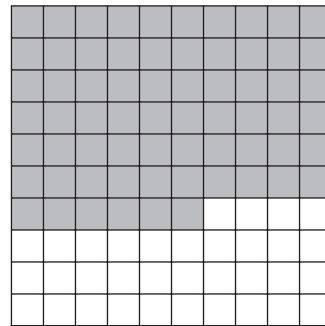
D The faces are triangles and rectangles.

26 ◀2.2.c Natalie bought 4 apples. The apples weighed a total of 1.28 pounds. If each apple was about the same size, what was the weight of one apple?

A 0.23 pound

B 0.32 pound

C 3.02 pounds

D 3.2 pounds

27 ◀4.2 While on vacation, Ella buys 5 postcards to mail to her friends. The postcards cost the same amount. Ella spends a total of $9.25. What is the cost of each postcards?

A $1.95   C $1.85

B $2.35   D $2.75

28 ◀2.1.a Which decimal number names the shaded portion of this model?

A 0.06   C 0.66

B 0.6   D 6.6

29 ◀4.2 Erin makes candles to earn money. She earns $4.25 for each candle that she sells. Last month, she sold 130 candles. How much money did Erin earn last month?

A $55.25

B $134.25

C $552.50

D $55,250

Go On ⟶

30 ⬤**5.2.a** Chloe has a spinner that is divided into 8 equal-sized sections. The sections are labeled with the numbers 1 through 8. What is the probability of spinning a number <u>less than</u> 6 on her first spin?

A $\frac{1}{2}$ **C** $\frac{5}{8}$

B $\frac{3}{4}$ **D** $\frac{7}{8}$

---

31 ⬤**4.1.c** A mirror is 40 inches long. <u>About</u> how many <u>feet</u> long is the mirror?

A 3 feet

B 4 feet

C 5 feet

D 6 feet

---

32 ⬤**1.2** A veterinarian places a dog in a 2-pound crate on a scale. The scale reads 37 pounds. The vet writes this equation to find w, the weight of the dog.
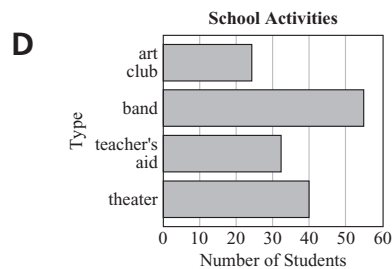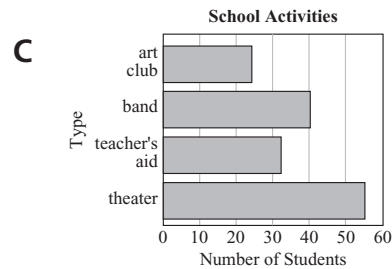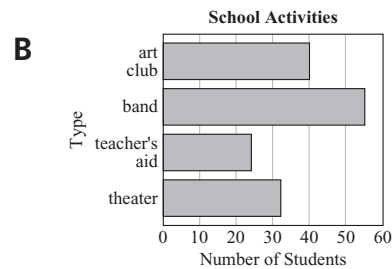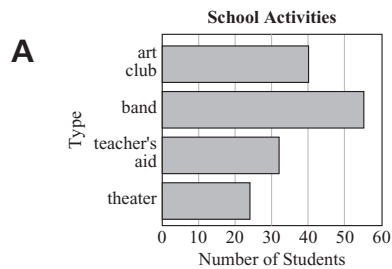
$$2 + w = 37$$

Which value for w makes the equation true?

A 34

B 35

C 36

D 39

33 ⬤**5.1.a** This table shows the number of each type of book borrowed from the library in one week.

Library Books Borrowed	
Type of Book	**Number of Books**
joke book	24
science fiction	55
mystery	32
non-fiction	40

Which graph <u>best</u> represents the data shown in the table?

A

B

C

D

Go On ⟶

34 **2.2.a** Matthew bought a slice of pizza for $2.25. He gave the clerk a $20 bill to pay for the pizza. Which is <u>closest</u> to the amount of change Matthew should receive?

A $17.00   **C** $18.75

B $18.00   **D** $19.00

35 **5.3** The Fortson family kept track of how many miles they drove each day for one week.

21 miles, 17 miles, 5 miles, 23 miles, 12 miles, 29 miles, 36 miles

Which is the range of the miles driven?

A 7   **C** 12

B 24   **D** 31

36 **3.2** Which of the following statements is <u>not true</u>?

A All of the vertices of a square are right angles.

B A rhombus always contains two acute angles and two obtuse angles.

C An isosceles triangle always contains two equal angles.

D A triangle always contains at least one right angle.

37 **5.2.b** How many different four-digit numbers use the digits 3, 4, 5, and 6?
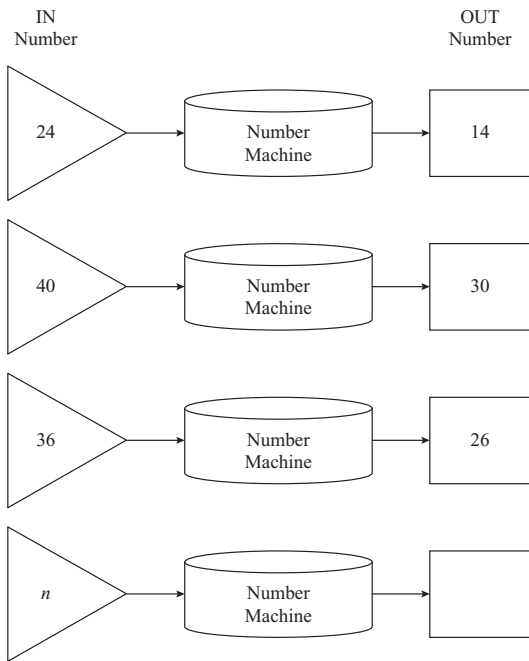
A 15

B 18

C 20

D 24

38 **2.1.c** Keaton's family went on a hiking trip. The hiking trails began at an elevation of 74 feet above sea level. One trail ended at 729 feet above sea level and the other ended at 695 feet above sea level. Which expression below describes the relationship between the end points of the two trails?

A $695 < 729$

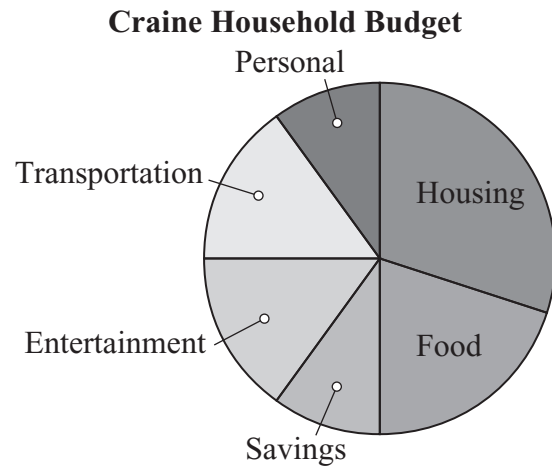**B** $695 + 729$

C $729 < 695$

D $729 = 695$

Go On ⟶

39 🔊**1.1** The number machine used the same rule each time to create an "out" number for each "in" number.

IN Number   OUT Number

| 24 | → | Number Machine | → | 14 |

| 40 | → | Number Machine | → | 30 |

| 36 | → | Number Machine | → | 26 |

| n | → | Number Machine | → | |

If n is the "in" number, which expression could be the rule the machine used to find each "out" number?

A $n + 10$

B $n - 10$

C $n \times 10$

D $n \div 10$

40 🔊**5.1.b** The circle graph below shows how the Craine family budgets their income.

Craine Household Budget

On which two expenses does the Craine family budget the most money?

A housing and food

B housing and transportation

C food and transportation

D food and entertainment

41 🔊**2.1.b** Which decimal number is equivalent to $\frac{6}{1000}$?

A 0.0006

B 0.006

C 0.06

D 0.6

Go On →

Getting Ready for the OCCT

42 **5.1.a** Ms. Anderson's fifth-grade students made tally marks in the chart to keep track of the responses as they took a survey of favorite sports.

Favorite Sport

Sport	Number of Times Chosen
football	〢〢〢〢〢 〢〢〢〢〢 〢〢〢〢〢 〢〢〢〢〢 〢〢〢〢〢
soccer	〢〢〢〢〢 ||||
baseball	〢〢〢〢〢 〢〢〢〢〢 〢〢〢〢〢
volleyball	〢〢〢〢〢 |||

Which of these tables shows the same information?

A   **Favorite Sport**

Sport	Frequency
football	30
soccer	14
baseball	25
volleyball	9

B   **Favorite Sport**

Sport	Frequency
football	6
soccer	2.4
baseball	5
volleyball	1.4

C   **Favorite Sport**

Sport	Frequency
football	24
soccer	15
baseball	20
volleyball	8

D   **Favorite Sport**

Sport	Frequency
football	25
soccer	9
baseball	15
volleyball	8

43 **3.2** Which of these angles appears to be an acute angle?

A

B

C

D

44 **4.1.a** Which could be the measurement of this angle?

A 35°   **C** 75°

B 60°   **D** 45°

45 **2.1.d** Which factors of 18 are also factors of 42?

A 3, 7, 9

B 3, 4, 12

C 4, 6, 18

D 2, 3, 6

Go On ⟶

46 🔊**4.1.b** Ms. Shaw plans to cover the classroom floor with square tiles. Each tile measures one square foot. The classroom is shaped like a rectangle with a width of 10 feet and a length of 12 feet. How many tiles will Ms. Shaw need to cover the classroom floor?

A 22 tiles

B 44 tiles

C 100 tiles

D 120 tiles

47 🔊**2.2.b** Juan is baking muffins for the school bake sale. He needs $1\frac{1}{2}$ cups of flour to make a batch of blueberry muffins. He needs $2\frac{1}{4}$ cups of flour to make a batch of banana muffins. How much flour does Juan need to make both batches of muffins?

A $1\frac{1}{4}$ cups

B $3\frac{1}{4}$ cups

C $3\frac{3}{4}$ cups

D $4\frac{3}{4}$ cups

48 🔊**5.3** The principal was reviewing the number of students in each class in her school. The data is shown in this table.

Grade	Number of Students
1-1	20
1-2	21
2-1	23
2-2	22
3-1	26
3-2	27
4-1	24
4-2	24
5-1	24
5-2	22
5-3	23

What was the median number of students in a class?

A 7

B 22

C 23

D 24

STOP