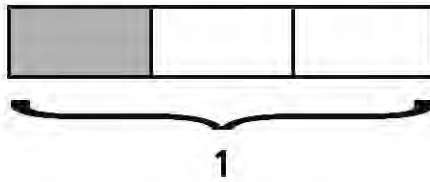
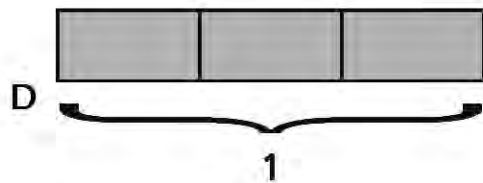
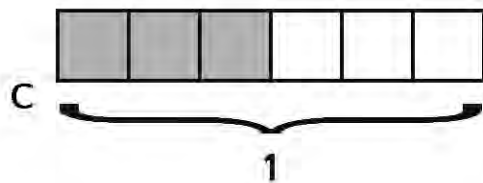
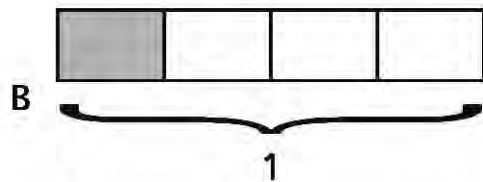
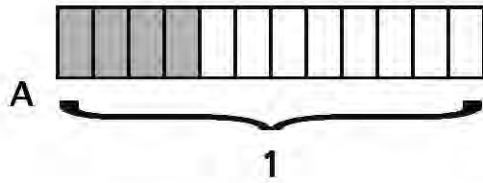


- 1 What expression can be used to show 270,240 written in expanded form?
- A $200,000 + 7,000 + 200 + 4$
- B $200,000 + 7,000 + 200 + 40$
- C $200,000 + 70,000 + 200 + 40$
- D $200,000 + 70,000 + 2,000 + 40$
- 2 There are 20 students in Mr. Clark's fourth-grade class. There are 5 times as many students in the entire fourth grade as there are in Mr. Clark's class. Which equation can be used to determine the number of students, n , in the entire fourth grade?
- A $5 \times n = 20$
- B $5 + 20 = n$
- C $20 \times 5 = n$
- D $20 \div n = 5$

- 3 The model below is shaded to represent a fraction.



Which model shows an equivalent fraction?



- 4 What value can replace the question mark to make the statement true?

$$3\frac{2}{8} + \underline{\quad ? \quad} = 7\frac{1}{8}$$

A $3\frac{1}{8}$

B $3\frac{7}{8}$

C $4\frac{1}{8}$

D $4\frac{7}{8}$

- 5 If 30,000 is divided by 10 and then divided by 10 again, what will be the resulting number?

A 3

B 30

C 300

D 3,000

GO ON

- 6 Students voted on a name for their school softball team. The table below lists the number of votes each team name received.

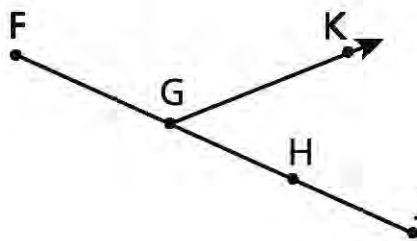
TEAM NAME VOTES

Name	Number of Votes
Bears	12
Comets	36
Hawks	117
Stars	39
Wolves	108

Which team name received 3 times as many votes as "Comets"?

- A Bears
- B Hawks
- C Stars
- D Wolves

- 7 What is the name of the ray in the diagram below?



- A ray K
- B ray FJ
- C ray GK
- D ray KGJ

8 The measure of angle G is 20° . What fraction of a complete circle is the measure of angle G?

A $\frac{20}{360}$

B $\frac{20}{340}$

C $\frac{20}{180}$

D $\frac{20}{100}$

9 Dawn needs to fix windows in her house. She must buy 3 feet of wood, which costs \$7 per foot. She also needs to buy 4 pieces of glass. Each piece of glass costs \$23. What will be the total cost for fixing the windows?

A \$30

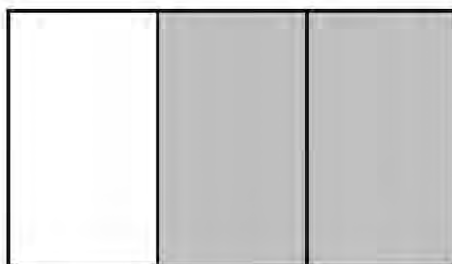
B \$90

C \$113

D \$176

GO ON

- 13 Jason makes aprons. The shaded part below represents the fraction of a yard of fabric he uses for each apron.



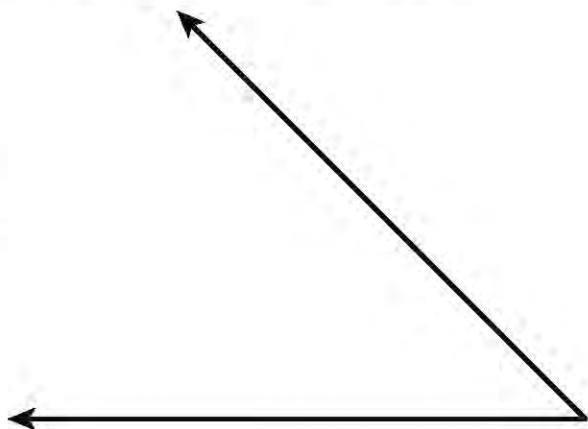
How many yards of fabric, in all, will Jason need to make 14 aprons?

- A $4\frac{2}{3}$
- B $9\frac{1}{3}$
- C $13\frac{1}{3}$
- D $14\frac{2}{3}$

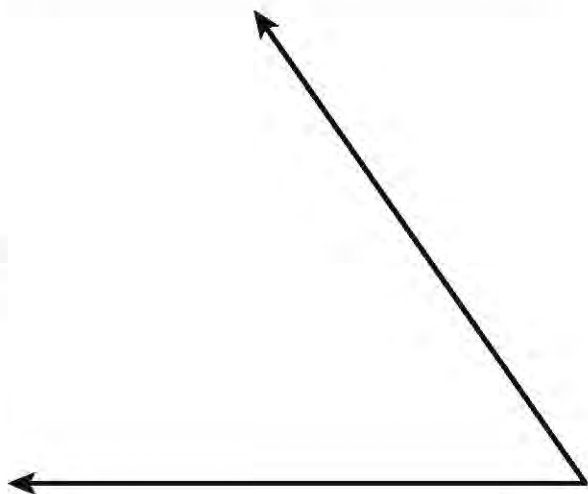
GO ON

- 17 Which angle has a measure of 45° ?

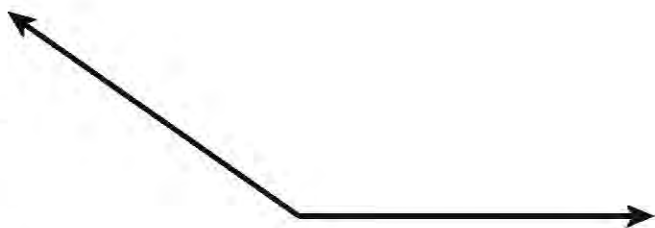
A



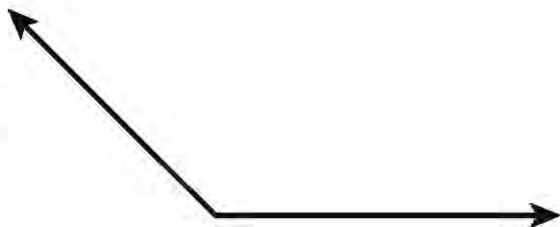
B



C



D



18 The value of the digit 5 in 24,513 is how many times the value of the digit 5 in 357?

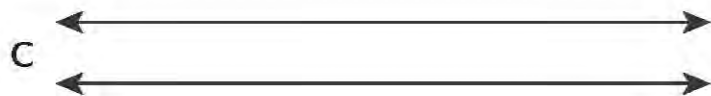
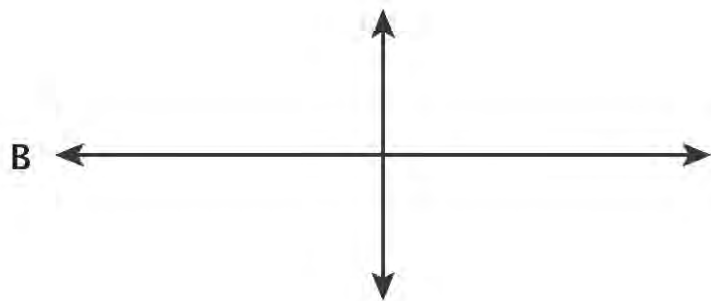
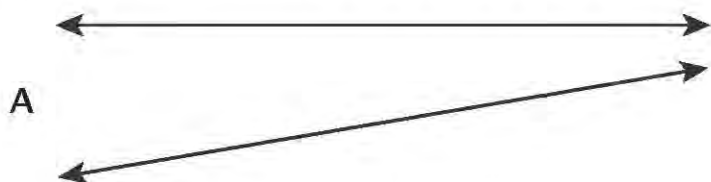
- A 10
- B 100
- C 1,000
- D 10,000

GO ON

- 23 In December, a toy store sold 934 puzzles. Each puzzle cost \$6, including tax. What was the total cost of the puzzles sold, including tax?

A \$5,434
B \$5,484
C \$5,604
D \$5,684

- 24 Which figure appears to show a pair of perpendicular lines?



GO ON

- 25 Which fraction goes into the blank to make the number sentence true?

$$\frac{2}{3} < \underline{\quad ? \quad}$$

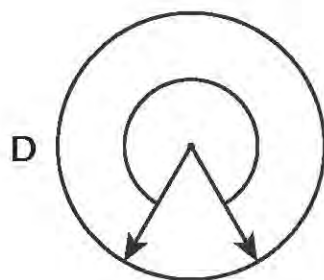
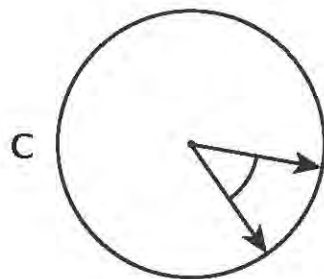
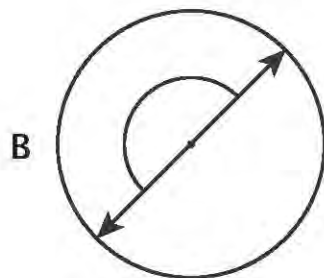
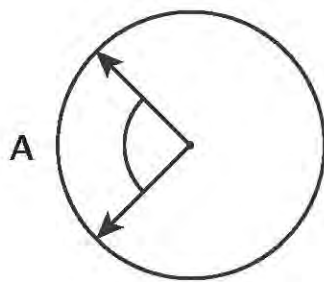
A $\frac{1}{6}$

B $\frac{3}{6}$

C $\frac{3}{5}$

D $\frac{3}{4}$

- 26 Which model shows an angle that appears to represent $\frac{45}{360}$ of a circle?



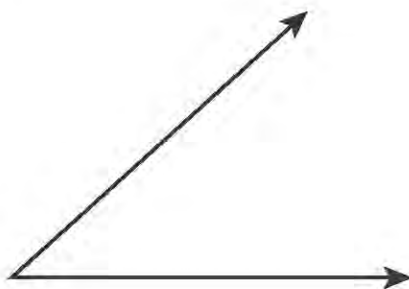
GO ON

- 27 The number pattern below follows a skip-counting rule.

5, 20, 35, 50, 65...

Which number pattern follows the same rule?

- A 5, 20, 25, 30, 35...
 - B 13, 18, 23, 28, 33...
 - C 12, 27, 42, 57, 72...
 - D 15, 30, 40, 55, 65...
- 28 Which measurement best represents the measure of the angle below?



- A 36°
- B 42°
- C 138°
- D 142°

- 29 Kailyn read 24 pages of a book. Logan read three times as many pages as Kailyn. Which equation can be used to find the total number of pages Logan read?

A $3 \times \underline{\quad ? \quad} = 24$

B $3 + \underline{\quad ? \quad} = 24$

C $24 \times 3 = \underline{\quad ? \quad}$

D $24 \div 3 = \underline{\quad ? \quad}$

- 30 A team of volunteers collected a total of \$5,144 selling T-shirts at a charity concert. Each T-shirt was sold for \$8. What was the total number of T-shirts the volunteers sold?

A 632

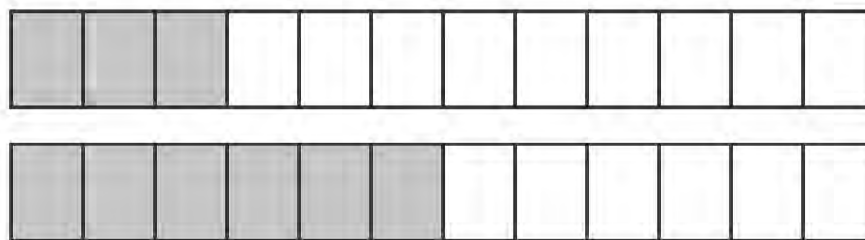
B 643

C 655

D 668

GO ON

- 31 The shaded parts of the fraction strips below represent two fractions.



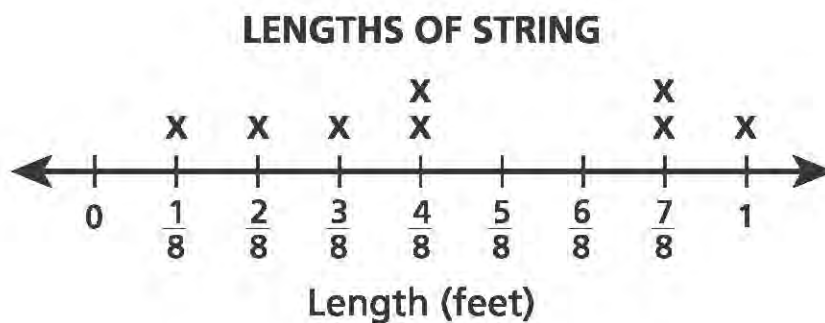
What is the sum of the two fractions?

- A $\frac{3}{12}$
B $\frac{9}{24}$
C $\frac{9}{12}$
D $\frac{15}{12}$
- 32 What is the value of the expression below?

$$28 \times 42$$

- A 420
B 816
C 1,166
D 1,176

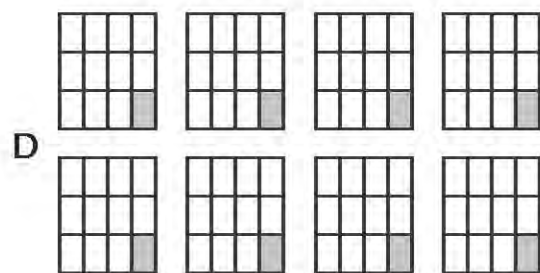
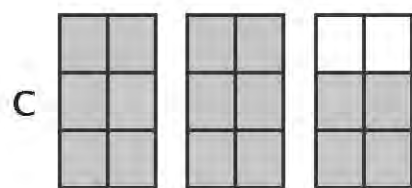
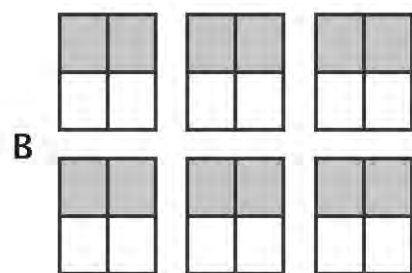
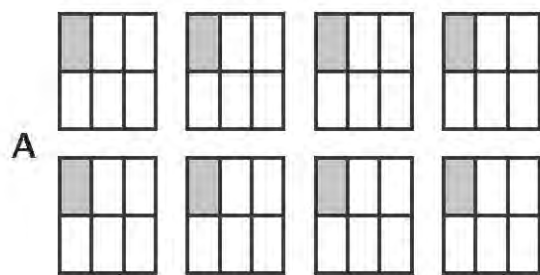
The line plot below shows the lengths of string Mario used for an art project.



What was the total length, in feet, of string that Mario used?

- A $\frac{25}{8}$
- B $\frac{36}{8}$
- C $\frac{48}{8}$
- D $\frac{64}{8}$

- 34 Which set of models is equivalent to the expression $2 \times \frac{4}{6}$?



38 Dani has 45 marbles. She has 5 times as many marbles as Joe has. How many marbles does Joe have?

A 50

B 40

C 9

D 5

- 39 When a certain number is divided by 4, the answer is 160 with a remainder of 2. What is the number?

- A 38
- B 42
- C 638
- D 642

GO ON

- 47** Last month, a store sent 2,014 e-mails to customers about sales. The number of e-mails sent the month before was 2,104.

Use one of the symbols $<$, $>$, or $=$ to compare the two numbers of e-mails sent. Explain how you used the digits to determine your answer.

Answer

Mandy shaded the fraction strip below to represent a fraction.

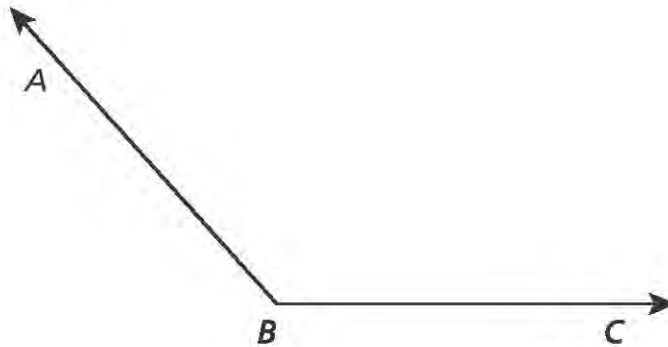


Shade the fraction strip below so that it represents a fraction that is equivalent to Mandy's fraction strip.



Explain how you know your fraction strip is correct.

- 49 Joli started with angle ABC that measured 132° , as shown below.



Joli wanted to cut the angle into two smaller angles. Draw and label ray BD to cut angle ABC into two smaller angles, with angle DBC measuring 55° . What is the measure of angle ABD ?

Answer _____ $^\circ$

- 50 A recipe requires $\frac{3}{8}$ cup of sugar for each cup of flour used. If a baker uses 10 cups of flour, what is the total amount of sugar that will be needed?

Show your work.

Answer _____ cup(s)

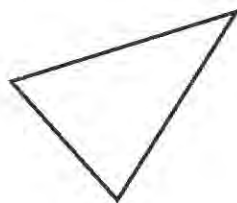
Between what two whole numbers does your answer lie?

Answer _____ and _____

GO ON

51

Is the triangle below best described as right, acute, or obtuse?



Answer _____

Explain how you know your answer is correct.

GO ON

52

Reggie read a 400-page book in 5 days. On the first day, he read 120 pages. Each day after that, he read the same number of pages, p .

Write an equation that can be used to determine the number of pages, p , read on each day after the first day.

Answer _____

Using your equation, determine the number of pages Reggie read each day after the first day.

Show your work.

Answer _____ pages per day

GO ON

The Corner Ice Cream Shop has three different types of toppings. The amounts shown below were on the shelf at the end of the day on Monday.

- $\frac{7}{8}$ gallon chocolate sauce
- $\frac{3}{8}$ gallon strawberry sauce
- $\frac{4}{8}$ gallon caramel sauce

On Tuesday, the shop used $\frac{3}{8}$ gallon of chocolate sauce, $\frac{1}{8}$ gallon of strawberry sauce, and $\frac{2}{8}$ gallon of caramel sauce. What was the total amount of toppings, in gallons, remaining at the end of the day on Tuesday?

Show your work.

Answer _____ gallon(s)

- 54 There will be 45 adults going to a museum. There will be twice as many students as adults. Adult tickets cost \$25 each. Student tickets cost \$12 each.

What is the total cost for the students and adults?

Show your work.

Answer \$ _____

GO ON

55 Adam, Clara, and Deena painted a tree house.

- Adam spent 2 times as many minutes painting as Clara.
- Clara spent 30 more minutes painting than Deena.
- Deena spent 45 minutes painting.

What is the total number of minutes that Adam, Clara, and Deena spent painting the tree house?

Show your work.

Answer _____ minutes

STOP