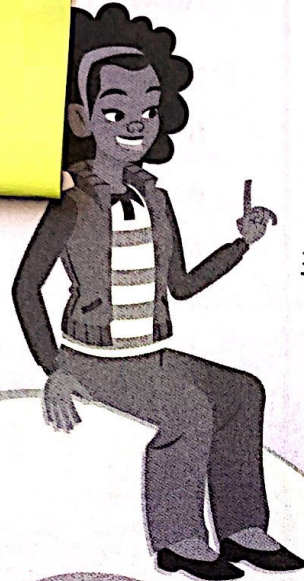# Ready®
New York CCLS

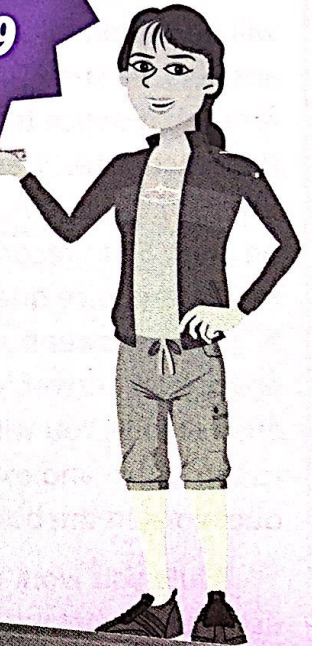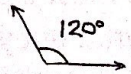**4** | **Mathematics** PRACTICE

UPDATED for 2018–2019

$$\frac{3}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$$

120°

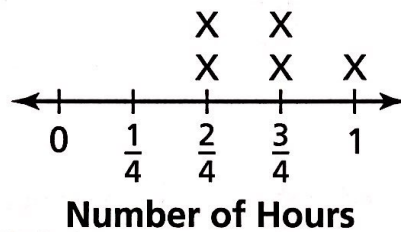**1** Olivia has 18 marbles, Mason has 24 marbles, Nia has 63 marbles, and Eric has 75 marbles. Everyone sorted their marbles into as many groups of 9 as possible. After the marbles are sorted, who will have marbles left over?

    A   Eric and Olivia

    B   Mason and Eric

    C   Nia and Eric

    D   Olivia and Mason

2 Donna goes for a jog every morning. The line plot shows the number of hours she jogged for five days.

```
                    X   X
                    X   X   X
      <----+---+---+---+---+---->
           0   1   2   3   1
               -   -   -
               4   4   4
```

Number of Hours

How many total hours did she jog for those five days?

    A $\frac{5}{4}$ hours

    B $\frac{10}{4}$ hours

    C $\frac{11}{4}$ hours

    D $\frac{14}{4}$ hours

GO ON

3 A rectangular flowerbed at a city park has an area of 126 square meters. The width of the flowerbed is 3 meters. What is the perimeter of the flowerbed?

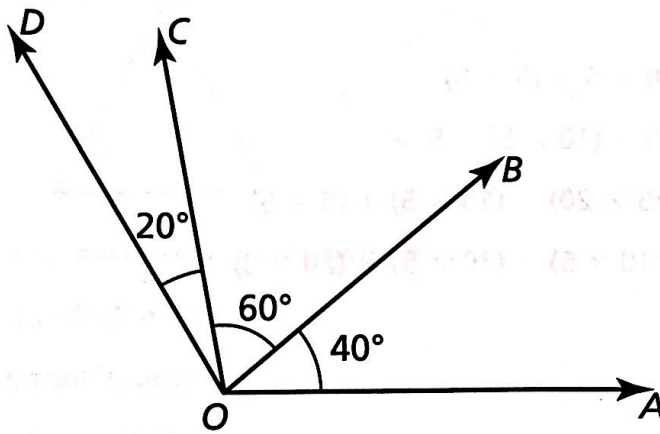A   42 meters

B   84 meters

C   90 meters

D   96 meters

4 Satellite Tours is taking a group of 32 students and 6 adults on a tour of historical sites in the city. Each Satellite Tours van will hold 9 passengers. What is the least number of vans that are needed to take all of the students and adults?

A   4

B   5

C   6

D   9

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5 What is the measure of ∠DOA?

A   60°

B   80°

C   100°

D   120°

6 Ms. Kaline's class raised money to buy items for the local shelter. With the money, they bought 8 pairs of mittens at $6.00 per pair, 10 hats at $9.00 each, and 15 scarfs at $8.00 each. Which equation shows how much money, *m*, the class raised?

A $m = 8 \times 6 - 10 \times 9 - 15 \times 8$

B $m = 8 - 6 + 10 - 9 + 15 - 8$

C $m = 8 + 6 \times 10 + 9 \times 15 + 8$

D $m = 8 \times 6 + 10 \times 9 + 15 \times 8$

GO ON

7 Each student in Mr. Carey's class donated $15 to a charity. There are 25 students in the class. Which expression could have been used to calculate the total amount donated?

A $20 + (5 \times 20) + 5 + (5 \times 5)$

B $(10 \times 20) + 5 + (10 \times 5) + 5$

C $(10 \times 20) + (5 \times 20) + (10 \times 5) + (5 \times 5)$

D $(10 \times 20) + (10 \times 5) + (10 \times 5) + (20 \times 5)$

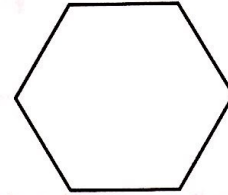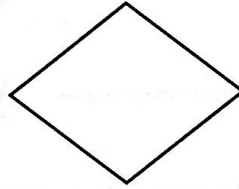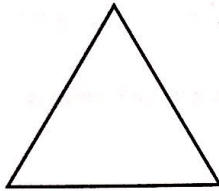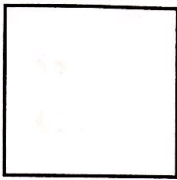**8** Malcom drew the following model to represent $3\frac{4}{5}$.

Which expression is also equal to $3\frac{4}{5}$?

A $3 + \frac{5}{5}$

B $1 + 2 + \frac{2}{5} + \frac{2}{5} + \frac{2}{5}$

C $1 + 1 + 1 + \frac{4}{5} + \frac{4}{5} + \frac{4}{5} + \frac{4}{5}$

D $\frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

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9 What feature might Samantha have used to sort these shapes into the same group?

A They all have at least two lines of symmetry.

B They are all quadrilaterals.
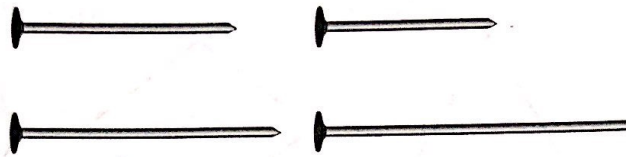
C They are all parallelograms.

D They all have perpendicular lines.
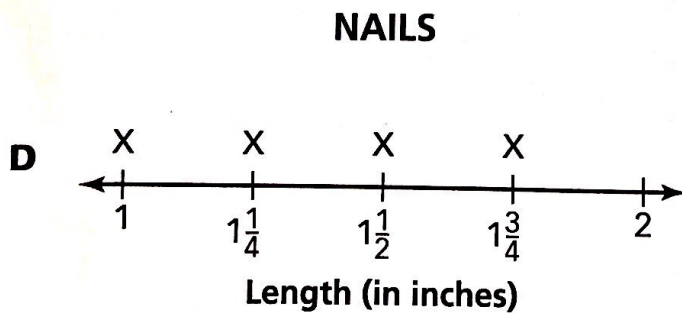
10 Which is another way to show $7 \times \frac{1}{6}$?

A $\frac{1}{42}$

B $\frac{7}{42}$

C $\frac{7}{6}$

D $\frac{8}{6}$

GO ON

11 Shriya measured four nails using a ruler. Then she showed the lengths on a line plot.

Which line plot correctly shows the lengths of the nails?

NAILS

A
```
        X
  X     X               X
  ├─────┼─────┼─────┼─────┤
  1    1¼    1½    1¾    2
      Length (in inches)
```

NAILS

B
```
  X
  X     X         X
  ├─────┼─────┼─────┼─────┤
  1    1¼    1½    1¾    2
      Length (in inches)
```

NAILS

C
```
                  X
                  X
        X         X
  ├─────┼─────┼─────┼─────┤
  1    1¼    1½    1¾    2
      Length (in inches)
```

NAILS

D
```
  X     X     X     X
  ├─────┼─────┼─────┼─────┤
  1    1¼    1½    1¾    2
      Length (in inches)
```

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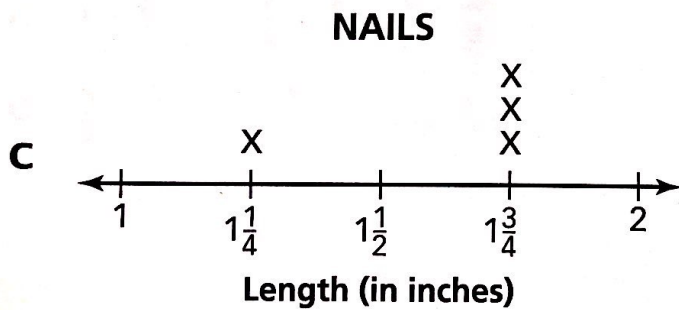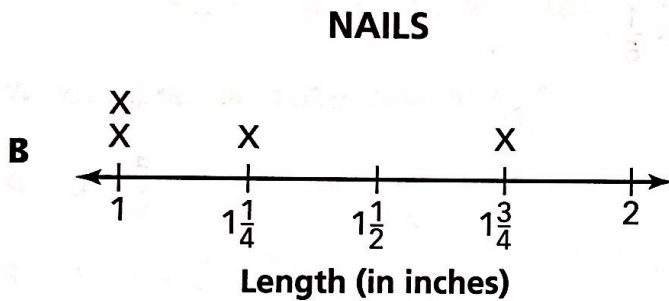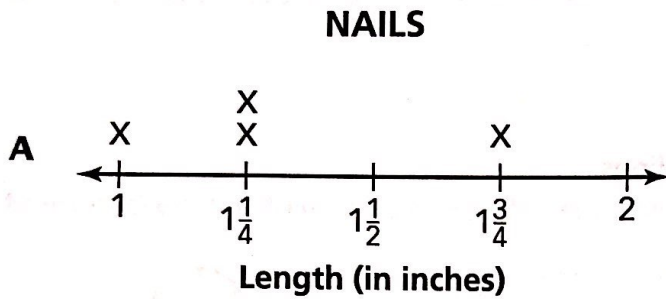
12 Michael earned $27 mowing lawns. He earned $12 less than that washing windows. He earned 3 times as much money walking dogs as he earned washing windows. How much money did Michael earn walking dogs?

    A $5

    B $15

    C $27

    D $45

13 In a city, it snowed $\frac{3}{5}$ meter on Saturday and $\frac{1}{5}$ meter on Sunday. How much more snow is needed on Monday to reach a total of 1 meter for the three days?

    A $\frac{1}{5}$ meter

    B $\frac{2}{5}$ meter

    C $\frac{3}{5}$ meter

    D $\frac{4}{5}$ meter

14 Lucas used the number sentence $8 \times 2 = 16$ to solve a problem. Which problem could he have solved?

    A   Felicia has 8 marbles. She gives 2 marbles to Ryan. How many marbles does Felicia have now?

    B   Felicia has 8 marbles. She places the same number of marbles into each of 2 bags. How many marbles are in each bag?

    C   Felicia has 8 marbles. Ryan has 2 times as many marbles as Felicia. How many marbles does Ryan have?

    D   Felicia has 8 marbles. She finds 2 more marbles. How many marbles does Felicia have now?

GO ON

15 Consider the diagram below.

| W | X | Y | Z |
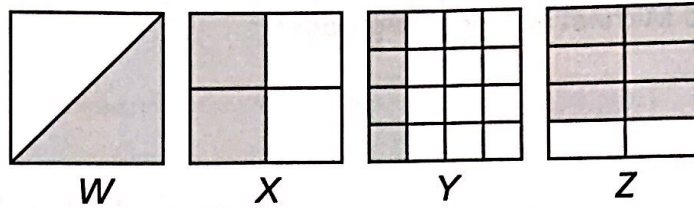
Which two figures are shaded to show equivalent fractions?

A   Figures W and X

B   Figures X and Z
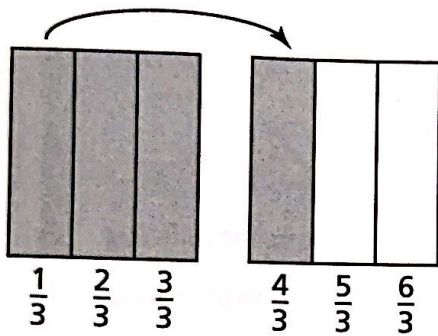
C   Figures W and Y

D   Figures W and Z

16 Which has a sum equal to $2\frac{3}{8} + 3\frac{4}{8}$?
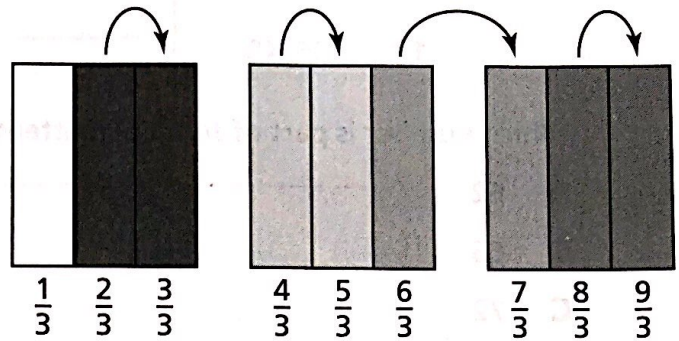
A $\frac{23}{8} + \frac{34}{8}$

B $\frac{19}{8} + \frac{28}{8}$

C $\frac{26}{8} + \frac{35}{8}$

D $\frac{16}{8} + \frac{24}{8}$
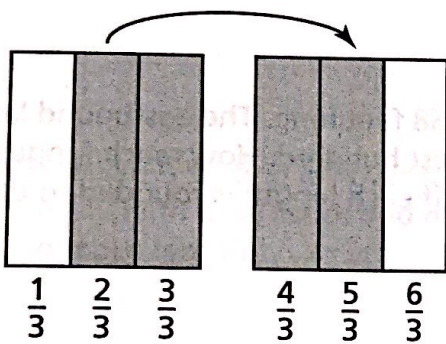
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17 Which diagram best models $4 \times \frac{2}{3}$?

$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{3} \qquad \frac{4}{3} \quad \frac{5}{3} \quad \frac{6}{3}$$

A

$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{3} \qquad \frac{4}{3} \quad \frac{5}{3} \quad \frac{6}{3} \qquad \frac{7}{3} \quad \frac{8}{3} \quad \frac{9}{3}$$

C

$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{3} \qquad \frac{4}{3} \quad \frac{5}{3} \quad \frac{6}{3}$$

B

$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{3}{3} \qquad \frac{4}{3} \quad \frac{5}{3} \quad \frac{6}{3} \qquad \frac{7}{3} \quad \frac{8}{3} \quad \frac{9}{3}$$
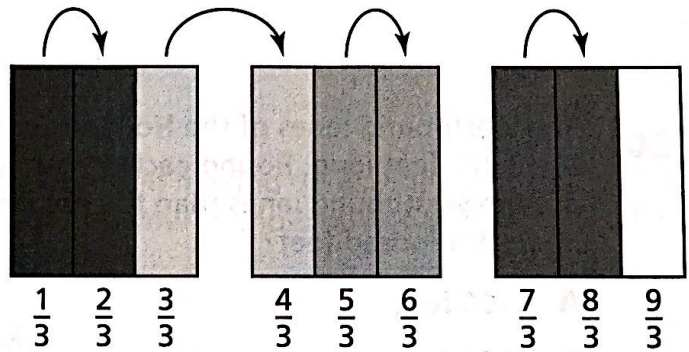
D

---

18 This model shows one way to find the product of 489×3.

	400	80	9
3	$400 \times 3 = 1{,}200$	$80 \times 3 = 240$	$9 \times 3 = 27$

Which equation shows the final step in finding the product?

A $1{,}200 + 240 + 27 = 1{,}467$

B $1{,}200 + 240 = 1{,}440$

C $1{,}200 + 80 + 9 = 1{,}289$

D $1{,}200 + 27 = 1{,}227$

GO ON

19 Jeremy created the pattern below to show the number of pencils in a specific number of pencil boxes.

12, 24, 36, 48, . . .

Which number is part of Jeremy's pattern?

A   62

B   66

C   72

D   76

20 The westbound lanes of the Holland Tunnel are 8,558 feet long. The eastbound lanes are 8,371 feet long. Round each length to the nearest hundred. How much longer are the westbound lanes than the eastbound lanes if each length is rounded to the nearest hundred feet?

A   100 feet

B   200 feet

C   300 feet

D   400 feet

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21 Which description does **not** describe all of the figures shown below?
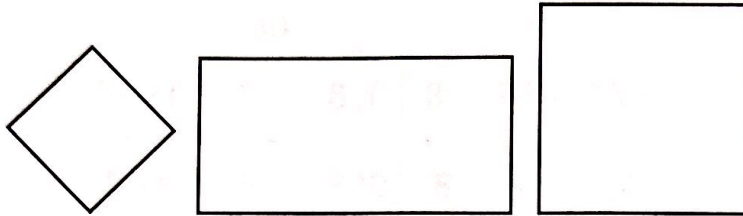
A   parallelogram

B   quadrilateral

C   rectangle

D   rhombus

22 Carolyn is sorting leftover fabric that she has from making quilts. She measured each piece with a yardstick and made the line plot below to show how many pieces she had of each length.
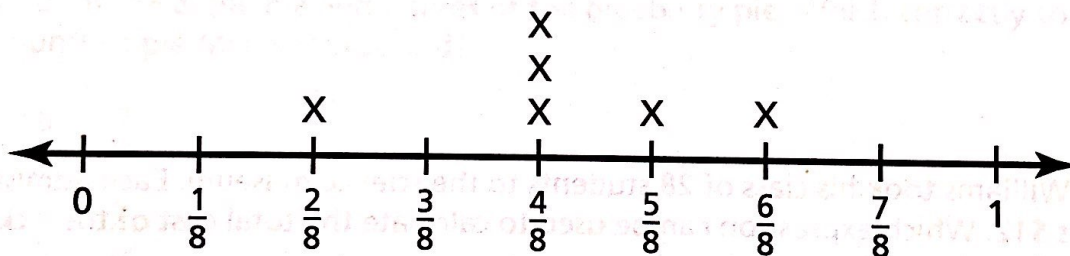
Fabric Length (in yards)

How much longer was Carolyn's longest piece of fabric than her shortest piece of fabric?

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

B $\frac{4}{8}$ yard

C $\frac{6}{8}$ yard

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

GO ON

23 A rectangle is 7 meters long. The perimeter of the rectangle is 24 meters. What is the width of the rectangle?

    A   5 meters

    B   8 meters

    C   12 meters

    D   17 meters

24 On Friday night, 100,000 + 7,000 + 300 + 80 + 9 people attended a concert. On Saturday night, one hundred ten thousand, four hundred thirty-two people attended a concert. Which correctly compares these numbers?

    A   170,389 > 110,432

    B   107,389 < 110,432

    C   170,389 > 101,432

    D   107,389 > 110,432

25 Mr. Williams took his class of 28 students to the science museum. Each admission ticket costs $12. Which expression can be used to calculate the total cost of the tickets for the 28 students?

    A $(20 \times 10) + (20 \times 2) + (8 \times 10) + (8 \times 2)$

    B $(20 + 10) + (20 + 2) + (8 + 10) + (8 + 2)$

    C $(20 \times 10) + (8 \times 2)$

    D $(20 \times 2) + (10 \times 8)$

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26 This model shows one way to find the product of 48 × 28.

	40	8
20	40 × 20 = 800	8 × 20 = 160
8	40 × 8 = 320	8 × 8 = 64

Which equation shows the final step in finding the product?

A   300 + 64 = 384

B   800 + 160 = 960

C   800 + 160 + 20 + 8 = 988

D   800 + 160 + 320 + 64 = 1,344

27 Mrs. Smith cut an apple pie into 8 slices and a blueberry pie into 12 slices. She served 6 slices of the apple pie and 7 slices of the blueberry pie. Which correctly compares the amounts of pie Mrs. Smith served?

A $\frac{6}{8} > \frac{7}{12}$

B $\frac{6}{8} < \frac{7}{12}$

C $\frac{7}{8} > \frac{6}{12}$
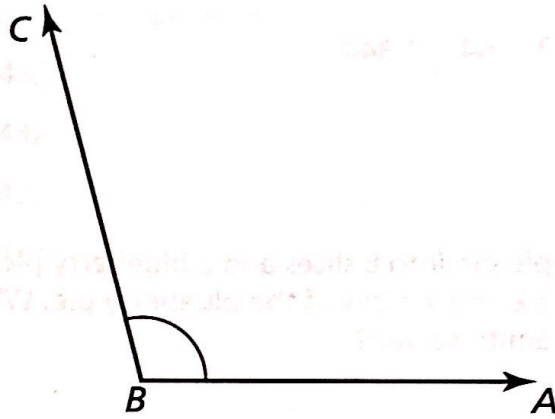
D $\frac{7}{8} < \frac{6}{12}$

GO ON

28 Vance lists the multiples of an even one-digit number. Which of these numbers could not be in Vance's list?

A 2

B 33

C 50

D 98

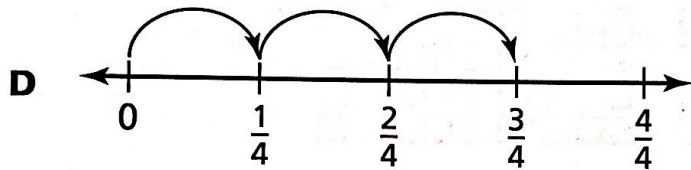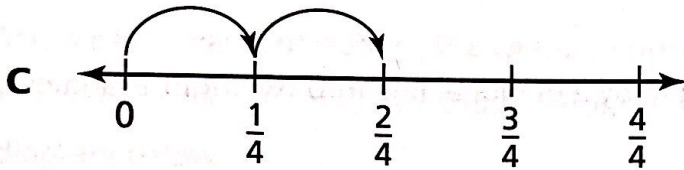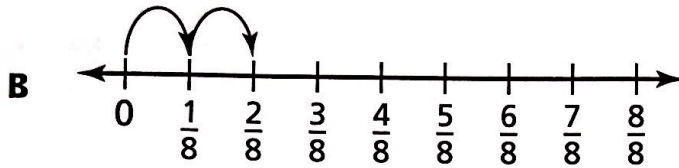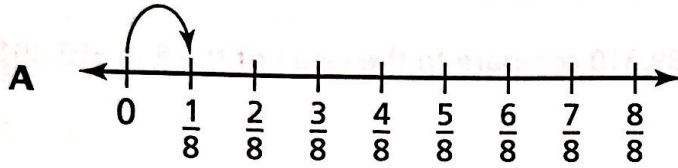**29** Which is closest to the measure of ∠ABC?

A 75°

B 90°

C 105°

D 135°

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30 Which number line represents the expression $2 \times \frac{1}{4}$?

A

```
←————+————+————+————+————+————+————+————+————→
      0    1    2    3    4    5    6    7    8
           8    8    8    8    8    8    8    8
```

B

```
←————+————+————+————+————+————+————+————+————→
      0    1    2    3    4    5    6    7    8
           8    8    8    8    8    8    8    8
```

C

```
←————+————————+————————+————————+————→
      0        1        2        3        4
               4        4        4        4
```

D

```
←————+————————+————————+————————+————→
      0        1        2        3        4
               4        4        4        4
```

STOP

31 How does the value of the 8 in 589,310 compare to the value of the 8 in 598,301?

   A   It is 8 times as much.

   B   It is 10 times as much.

   C   It is 80 times as much.

   D   It is 100 times as much.

32 Which figure **always** can be divided by a diagonal line into two right triangles?

   A   parallelogram

   **B**   rhombus

   C   square

   D   trapezoid

33 While on vacation, Erika bought 6 postcards, which was twice as many postcards as Nathan bought. Tanya bought 4 times as many postcards as Nathan. How many postcards did Tanya buy?
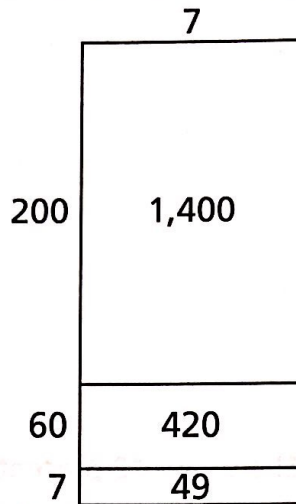
A   3

B   8

C   12

D   48

34 Sarita has 14 yards of ribbon. She wraps 12 presents and uses $\frac{5}{6}$ yard of ribbon to decorate each present. The total amount of ribbon she uses is modeled in the diagram below.
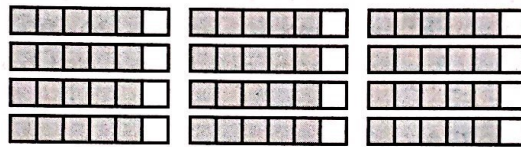
How much ribbon does Sarita have left?

A   4 yards

B   5 yards

C   6 yards

D   10 yards

GO ON

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35 The model shows one way to find the quotient of 1,869 ÷ 7.

	7
200	1,400
60	420
7	49

Which equation shows the final step in finding the quotient?

A   1,400 + 420 + 49 = 1,869

B   200 + 60 + 49 + 7 = 316

C   200 + 60 + 7 + 7 = 274

D   200 + 60 + 7 = 267

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36 Jocelyn completed an assignment in $\frac{5}{4}$ hours. Elin worked on the same assignment for $\frac{2}{4}$ hour before lunch and $\frac{1}{4}$ hour after lunch. How much more time did Jocelyn take to complete the assignment than Elin?

A $\frac{2}{8}$ hour

B $\frac{2}{4}$ hour

C $\frac{4}{4}$ hour

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

37 A local catering company ordered 15 pounds of chicken, 21 pounds of beef, and 7 pounds of lobster. The cost of the chicken was $2 per pound, the cost of the beef was $4 per pound, and the cost of the lobster was $12 per pound. What was the total cost of the order?
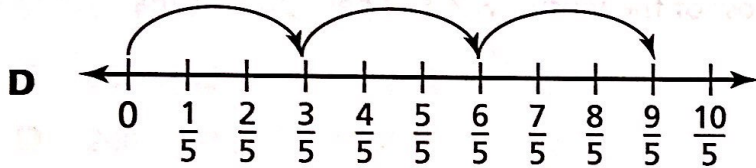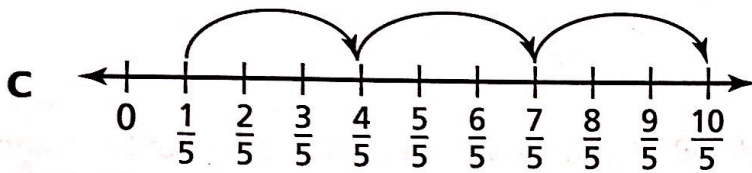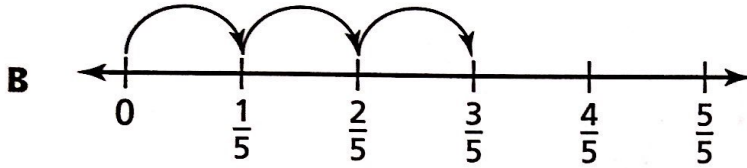
A $84

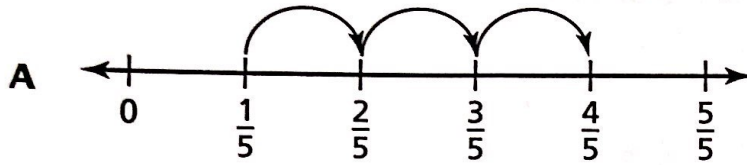B $114

C $198

D $282

GO ON

38 Jessica found the product of $9 \times \frac{1}{5}$. Which number line models a way to find the same product using different factors?

A

B

C

D

39 D'angela opened a savings account and deposited $65 into it. She wants to have $500 in her savings account five months from now. She is going to deposit the same amount of money, *m*, into the account each month for the next five months.

Write an equation that helps D'angela determine the amount of money she must save each month.

Equation _____

Solve the equation to find the amount of money D'angela must save each month to have $500 in her savings account.

Show your work.

Answer $_____

Scanned with CamScanner

40 Ava, Carter, Mark, and their dad each mow a different section of their yard. Ava mows $\frac{1}{12}$ of the yard, Carter mows $\frac{2}{12}$ of the yard, and Mark mows $\frac{4}{12}$ of the yard. Their dad mows the rest of the yard.

Draw a model to represent the yard. Show the fraction of the yard their dad mows.

What fraction of the yard does their dad mow?

Answer _____

Scanned with CamScanner

41 Brian's Orchard supplies apples to markets in Albany. The apples can be packed into a large bag that holds 9 apples or a small bag that holds 6 apples.

A market ordered 140 apples packed in small bags. How many small bags can be filled? Will there be any apples left over? Divide using a rectangular area model and show the remainder.

Show your work.

Answer _____

The orchard needs to fill an order for 156 apples using both large and small bags. What is the least number of each type of bag that could be used if each bag is completely filled?

Show your work.

Answer _____

GO ON

42 A contractor was hired to remodel a kitchen. She can complete $\frac{3}{8}$ of the kitchen remodeling project in one day.

Draw a model to show how much of the project is completed in two days.

How much of the kitchen is left to remodel after two days?

Answer _____

Scanned with CamScanner

43 Mrs. Martin wants to place a ribbon around the outer edge of a rectangular mirror. The area of the mirror is 324 square inches. The width of the mirror is 12 inches. How many inches of ribbon does Mrs. Martin need?

Show your work.

Answer _____ inches

44 In the last basketball game, the Panthers scored 63 points. This was seven times the number of points that Reilly scored.

Write and solve an equation to find the number of points Reilly scored.

Show your work.

Answer _____

How many points did the rest of the team score?

Show your work.

Answer _____ points

Scanned with CamScanner

45 The manager of a plant nursery wants to arrange 1,207 plants in 7 equal rows.

How many plants will each row have? Will there be any left over?

Show your work.

Answer _____

Martin wrote 1,207 as 700 + 490 + 17. Explain how to find the answer using the number broken apart in this way.

_____

_____

_____

If 620 more plants are brought to the nursery and are arranged with the original 1,207 plants in the 7 rows, how many plants will there be in each row now? Will there be any plants left over?
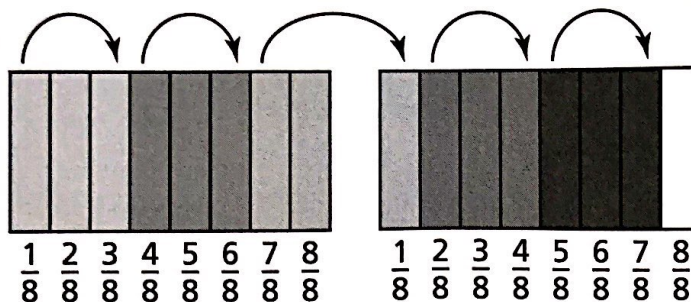
Show your work.

Answer _____

STOP

1 The diagram below shows $5 \times \frac{3}{8}$.

| $\frac{1}{8}$ | $\frac{2}{8}$ | $\frac{3}{8}$ | $\frac{4}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ | $\frac{8}{8}$ | $\frac{1}{8}$ | $\frac{2}{8}$ | $\frac{3}{8}$ | $\frac{4}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ | $\frac{8}{8}$ |

Which expression could also be used to find the product?

A $\frac{1}{8} \times \frac{15}{8}$

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

C $5 \times \frac{7}{8}$

D $15 \times \frac{1}{8}$

2 The October meeting of the yearbook club had 21 people attend. That was 3 times as many people as the number of people who came to the September meeting. How many people were at the September meeting?
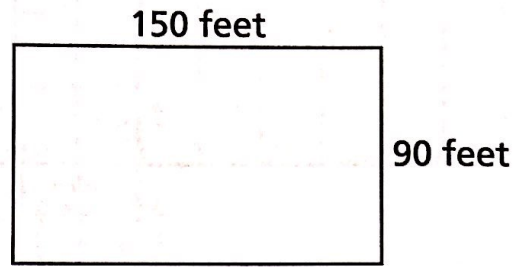
A 6

B 7

C 24

D 63

3 A large plot of land is being subdivided into smaller lots. Each lot will be a rectangle as shown below.
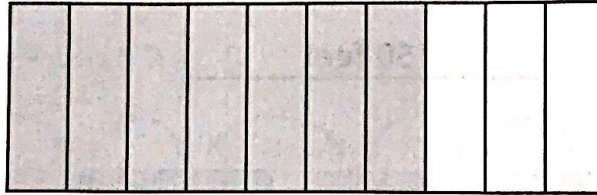
150 feet

90 feet

[not drawn to scale]

What is the perimeter of each lot?

A   240 feet

B   390 feet

C   480 feet

D   540 feet

GO ON

4 Which expression does the shaded part of the model shown below represent?

A $3 \times \dfrac{1}{10}$

B $3 \times \dfrac{10}{10}$

C $7 \times \dfrac{1}{10}$

D $7 \times \dfrac{7}{10}$

5 A bracelet costs $15. A matching necklace costs 3 times as much as the bracelet. If *c* is the cost of the necklace, which equation models the cost of the necklace and shows the solution?
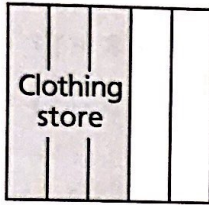
A $\$15 \div 3 = c;\ c = \$5$

B $\$15 \times 3 = c;\ c = \$45$

C $\$15 + 3 = c;\ c = \$18$

D $3 \times \$15 + \$15 = c;\ c = \$60$
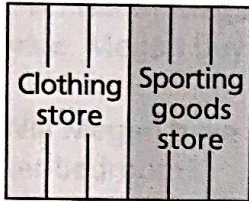
Scanned with CamScanner

6 Larry was shopping at a mall. He spent $\frac{3}{6}$ hour at a clothing store, $\frac{3}{6}$ hour at a sporting goods store, and $\frac{1}{6}$ hour at a music store. Which correctly shows the total number of hours that Larry shopped?
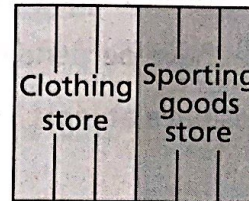

A

B

C

D

7 Sara bought a car for $16,586 and paid $1,038 for tax, title, and registration. Which equation shows about how much Sara paid, to the nearest hundred?

A $16,000 + $1,000 = $17,000

B $16,590 + $1,000 = $17,590

C $16,600 + $1,000 = $17,600

D $20,000 + $1,000 = $21,000

GO ON

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8 Matthew sorts some figures. He includes a regular hexagon with only Figures 2 and 3.
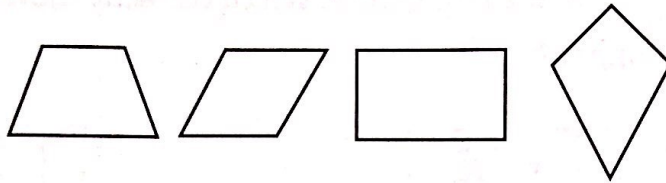
Figure 1   Figure 2   Figure 3   Figure 4

Which could describe Matthew's reasoning?

A   The figures have 4 sides.

B   The figures have at least 2 pairs of parallel sides.

C   The figures have perpendicular sides.

D   The figures have at least 3 lines of symmetry.

9 Tomas is comparing the fractions $\frac{1}{3}$ and $\frac{3}{4}$. He rewrites the fractions using a common denominator. Which shows Tomas's comparison?

A $\frac{4}{12} < \frac{9}{12}$

B $\frac{6}{12} < \frac{9}{12}$

C $\frac{4}{12} > \frac{9}{12}$

D $\frac{4}{12} = \frac{9}{12}$

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10 Sanjay bought 12 granola bars, which was 4 times as many granola bars as Lena bought. Which equation shows the number of granola bars, b, that Lena bought?

A $12 \div 4 = b; b = 3$

B $12 \times 4 = b; b = 48$

C $12 + 4 = b; b = 16$

D $12 - 4 = b; b = 8$

11 The area of Megan's rectangular bedroom is 182 square feet. The room is 13 feet wide. Megan buys 4 rolls of wallpaper border, and each contains 12 feet of border.

Will Megan have enough wallpaper border to go around the top of all four walls of her bedroom?

A No, she bought 48 feet of wallpaper border and she needs 182 feet.

B No, she bought 48 feet of wallpaper border and she needs 54 feet.

C Yes, she bought 48 feet of wallpaper border and she needs 26 feet.

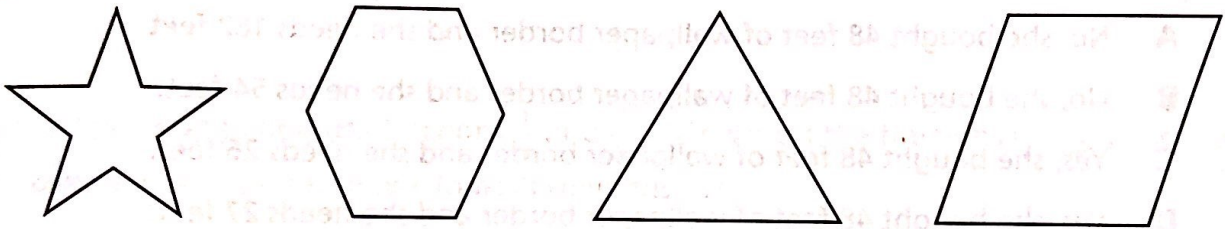D Yes, she bought 48 feet of wallpaper border and she needs 27 feet.

GO ON

12 Xavier jogs $3\frac{7}{10}$ miles to the baseball field. Stacey jogs $1\frac{4}{10}$ miles to the same field. How many more miles does Xavier jog than Stacey?

A $4\frac{8}{10}$ miles

B $2\frac{8}{10}$ miles

C $2\frac{3}{10}$ miles

D $1\frac{2}{10}$ miles

13 Susan says that all of these figures can be classified in the same group.

Which is the **best** explanation of Susan's reasoning?

A   Susan used the number of sides to classify the figures because each figure has 4 sides.

B   Susan used the presence of parallel sides to classify the figures because each figure has at least one pair of parallel sides.

C   Susan used the presence of perpendicular sides to classify the figures because each figure has at least one pair of perpendicular sides.

D   Susan used angle measures and symmetry to classify the figures because each figure has 0 right angles and at least 2 lines of symmetry.

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14 This model shows one way to find the product of 26 × 29.

	20	9
20	20 × 20 = 400	9 × 20 = 180
6	20 × 6 = 120	9 × 6 = 54

Which equation shows the final step in finding the product?

A 400 + 180 + 120 + 54 = 754

B 400 + 180 = 580

C 400 + 20 + 6 = 426

D 400 + 29 = 429

15 Lane rode 5 miles on his bicycle. His father biked 5 times as many miles. Which equation shows the number of miles Lane's father biked?

A 5 − 5 = 0

B 5 ÷ 5 = 1

C 5 + 5 = 10

D 5 × 5 = 25

GO ON

Scanned with CamScanner

16 Which correctly compares the values of the digits 2 and 6 in the number 243,695?

A $2 \times 100 < 6 \times 100$

B $2 \times 1,000 > 6 \times 100$

C $2 \times 10,000 > 6 \times 100$

D $2 \times 100,000 > 6 \times 100$

17 Zoe and Oliver each added sugar to their pitchers of iced tea. Zoe added $\frac{5}{8}$ cup and Oliver added $\frac{3}{6}$ cup. Which statement correctly compares the amounts Zoe and Oliver added?

A   Eighths are smaller than sixths, so $\frac{5}{8} < \frac{3}{6}$.

B $\frac{3}{6}$ is equal to $\frac{1}{2}$ and $\frac{5}{8}$ is greater than $\frac{1}{2}$, so $\frac{5}{8} > \frac{3}{6}$.

C $\frac{3}{6}$ is greater than $\frac{1}{2}$ and $\frac{5}{8}$ is less than $\frac{1}{2}$, so $\frac{3}{6} > \frac{5}{8}$.

D $\frac{3}{6}$ and $\frac{5}{8}$ are both equal to $\frac{1}{2}$, so $\frac{3}{6} = \frac{5}{8}$.

18 A bakery makes 640 muffins every day. Which equation shows how to find the number of muffins the bakery makes in a week?

A $600 + (40 \times 7) = 600 + 280$

B $(600 \times 7) + 40 = 4{,}200 + 40$

C $(60 \times 7) + (40 \times 7) = 420 + 280$

D $(600 \times 7) + (40 \times 7) = 4{,}200 + 280$

19 Elaine and Rocco shared a bag of popcorn. Rocco ate $\frac{5}{8}$ of the bag of popcorn and Elaine ate $1\frac{3}{8}$ cups of popcorn. How much popcorn did Elaine and Rocco eat in all?

A 1 bag

B $1\frac{5}{8}$ cups

C 2 cups

D The fractions cannot be combined because they do not represent the same whole.

GO ON

20 A greenhouse has 12 rows of plants. Each row has 86 plants. The model below shows how to find the total number of plants in the greenhouse.

	80	6
10	$80 \times 10 = 800$	?
2	$80 \times 2 = 160$	$6 \times 2 = 12$

$$800 + 160 + 60 + 12 = 1{,}032$$

Which equation goes in the box with the question mark?

A $6 \times 10 = 60$

B $6 \times 12 = 60$

C $6 + 10 = 60$

D $80 \times 6 = 60$

21 Luis has 4 baseball cards. Jonah has 5 times as many baseball cards as Luis. How many baseball cards does Jonah have?
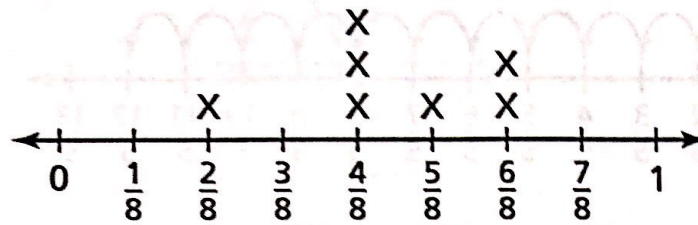
A 1

B 9

C 20

D 24

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22 Jenny sold lemonade for one week during her summer vacation. The line plot shows the amount of lemonade, in gallons, that she sold each day.

$$\begin{array}{ccccccccc} & & & & X & & & & \\ & & & & X & & X & & \\ & & X & & X & X & X & & \\ \hline 0 & \frac{1}{8} & \frac{2}{8} & \frac{3}{8} & \frac{4}{8} & \frac{5}{8} & \frac{6}{8} & \frac{7}{8} & 1 \end{array}$$

Lemonade Sold (in Gallons)

How much lemonade did Jenny sell?

A $\frac{31}{8}$ gallons

B $\frac{29}{8}$ gallons

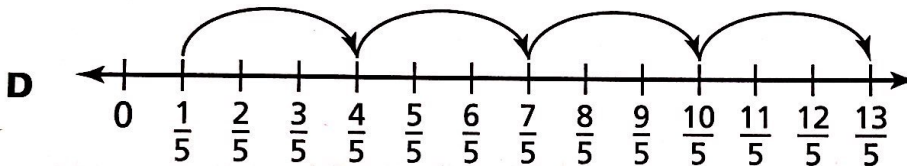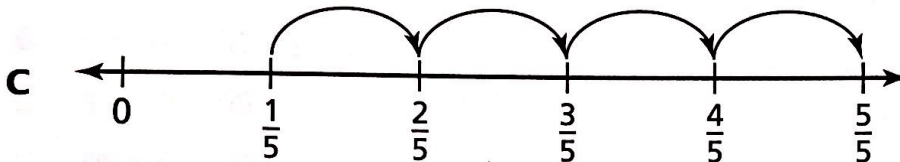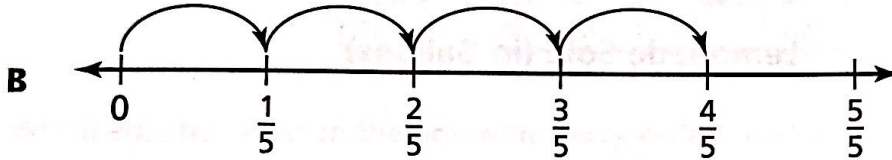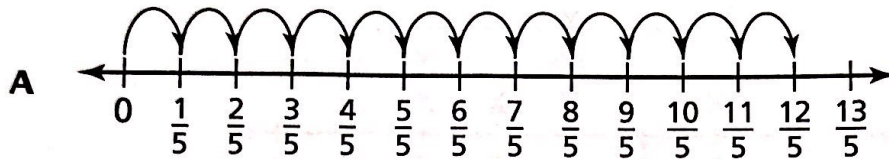**C** $\frac{26}{8}$ gallons

D $\frac{24}{8}$ gallons

23 A rectangle is 6 inches wide. Its length is 2 inches more than its width. What is the perimeter of the rectangle?

A 16 inches

B 28 inches

C 32 inches

D 48 inches

GO ON

24 Flynn found the product of $4 \times \frac{3}{5}$. Which number line models a way to find the same product using different factors?

A

| 0 | $\frac{1}{5}$ | $\frac{2}{5}$ | $\frac{3}{5}$ | $\frac{4}{5}$ | $\frac{5}{5}$ | $\frac{6}{5}$ | $\frac{7}{5}$ | $\frac{8}{5}$ | $\frac{9}{5}$ | $\frac{10}{5}$ | $\frac{11}{5}$ | $\frac{12}{5}$ | $\frac{13}{5}$ |

B

| 0 | | $\frac{1}{5}$ | | $\frac{2}{5}$ | | $\frac{3}{5}$ | | $\frac{4}{5}$ | | $\frac{5}{5}$ |

C

| 0 | | $\frac{1}{5}$ | | $\frac{2}{5}$ | | $\frac{3}{5}$ | | $\frac{4}{5}$ | | $\frac{5}{5}$ |

D

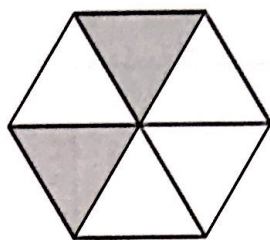| 0 | $\frac{1}{5}$ | $\frac{2}{5}$ | $\frac{3}{5}$ | $\frac{4}{5}$ | $\frac{5}{5}$ | $\frac{6}{5}$ | $\frac{7}{5}$ | $\frac{8}{5}$ | $\frac{9}{5}$ | $\frac{10}{5}$ | $\frac{11}{5}$ | $\frac{12}{5}$ | $\frac{13}{5}$ |

25 Kerri planted 36 sunflower seeds in equal rows. Which could **not** be a way that Kerri arranged the seeds?

A   12 rows of 3 seeds

B   9 rows of 4 seeds

C   6 rows of 6 seeds

D   5 rows of 7 seeds

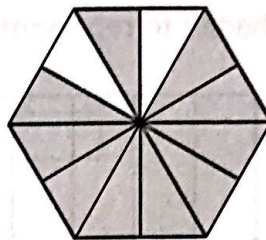**Scanned with CamScanner**

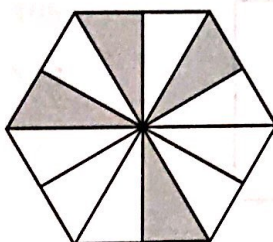**26** The shaded part of the hexagon represents a fraction.

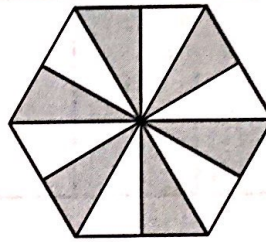Which of these hexagons is shaded to represent an equivalent fraction?
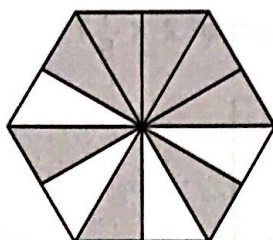
A

C

B

D

27 What is the sum of 86,456 and 34,731?

A   110,187

B   111,187

C   120,187

D   121,187

GO ON

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28 Which number is composite?

A 5

B 11

C 27

D 31

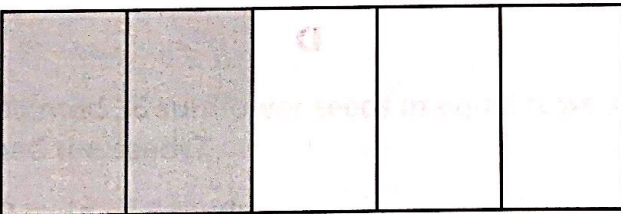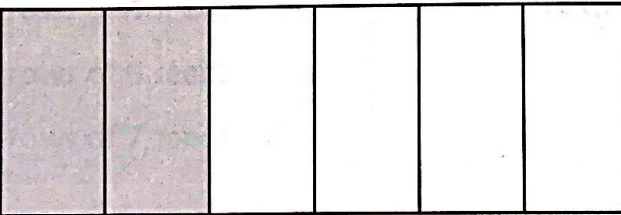**29** Which model is shaded to represent the product of $2 \times \frac{1}{5}$?

A

B

C

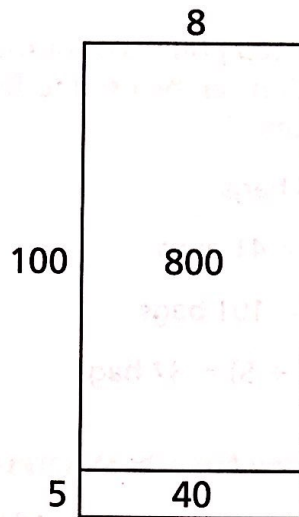D

30 The model shows one way to find the quotient of 840 ÷ 8.

```
              8
      ┌───────────────┐
      │               │
      │               │
 100  │     800       │
      │               │
      │               │
      ├───────────────┤
   5  │      40       │
      └───────────────┘
```

Which equation shows the final step in finding the quotient?

A $100 - 5 = 95$

B $100 + 5 = 105$

C $100 \times 5 = 500$

D $100 \div 5 = 20$

STOP

31 A pet store sells an average of 185 pounds of birdseed in a month. The birdseed comes in 5-pound bags. Which equation can be used to find the average number of bags of birdseed the store sells in a month?

A $(100 \div 5) + 80 + 5 = 105$ bags

B $(100 \div 5) + (80 \div 5) + 5 = 41$ bags

C $(100 \div 5) + 80 + (5 \div 5) = 101$ bags

D $(100 \div 5) + (80 \div 5) + (5 \div 5) = 37$ bags

32 The driving distance from Buffalo to Plattsburgh is about 390 miles. Angela plans to drive from Buffalo to Plattsburgh and back again 4 times. Which equation can be used to find the total distance Angela will drive?

A $(300 + 90) \times (4 \times 2) = (300 \times 8) + (90 \times 8) = 3,120$ miles

B $(300 + 90) \times 4 \times 2 = (300 \times 4) + (90 \times 4) \times 2 = 1,920$ miles

C $(300 + 90) \times 4 = (300 \times 4) + 90 = 1,290$ miles

D $(300 + 90) \times 4 = 300 + (90 \times 4) = 660$ miles

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33 Marne and Lori each have a rectangular canvas with the same area. Marne's canvas has a width of 16 inches and a length of 30 inches. The width of Lori's canvas is 6 inches less than Marne's canvas. What is the length of Lori's canvas?

A   24 inches

B   33 inches

C   35 inches

D   48 inches
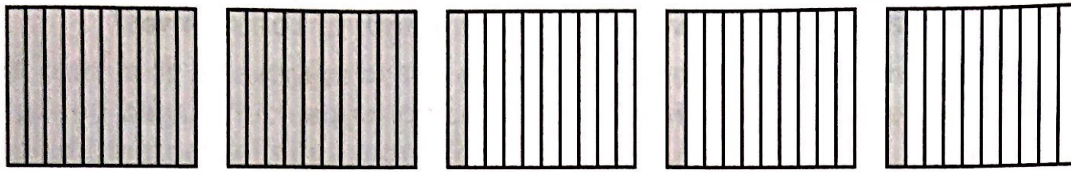
34 Which correctly compares the number 892,104 with the expression 871,325 + 20,779?

A $871,325 + 20,779 < 892,104$

B $892,104 < 871,325 + 20,779$

C $892,104 > 871,325 + 20,779$

D $871,325 + 20,779 = 892,104$

GO ON

35 Melissa drew this model to represent the fraction $\frac{23}{10}$.

Which expression has an equivalent value?
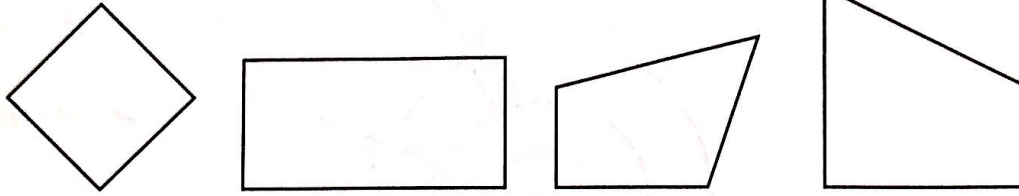
A $1 + \frac{3}{10} + \frac{3}{10} + \frac{3}{10}$

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

C $1 + 1 + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

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

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36 Which could be the property Davita used to classify these quadrilaterals in the same group?

A Each has more than one acute angle.

B Each has at least one pair of parallel sides.

C Each has at least one right angle.

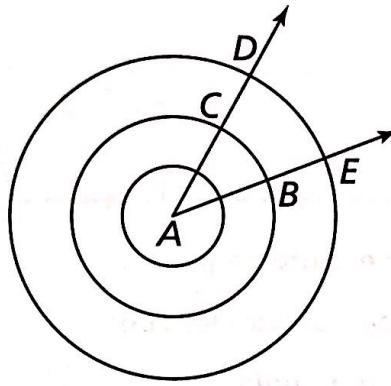**D** Each has at least one pair of sides of equal length.

37 Find the value.

$$9,782 - 3,891 + 2,715$$

Which shows the answer in expanded form?

A 8,000 + 600 + 6

B 5,000 + 800 + 90 + 1

C 6,000 + 800 + 20 + 6

D 6,000 + 900 + 90 + 1

GO ON

38 The diagram below shows circles and two rays that meet at point *A* in the center of the circles.

What is the relationship between the measure of ∠*CAB* and the measure of ∠*DAE*?

A   The measure of ∠*DAE* is greater than the measure of ∠*CAB*.

B   The measure of ∠*CAB* is less than the measure of ∠*DAE*.

C   The measure of ∠*CAB* is greater than the measure of ∠*DAE*.

D   The measure of ∠*CAB* and the measure of ∠*DAE* are the same.

39 It took Jerry $3\frac{4}{5}$ hours to get to his grandmother's house. He walked for $\frac{2}{5}$ hour to the train station, rode on a train for $1\frac{4}{5}$ hours, and then took a bus.

How much time did Jerry spend riding on the bus?

Show your work.

Answer _____ hours

Jerry's return trip took $\frac{2}{5}$ hour longer. How long did his return trip take?

Show your work.

Answer _____ hours

GO ON

40 Katia collects stamps as a hobby. She has a total of 325 stamps in her collection.

Fill in each blank with the digit from the correct place value.

$$325 = (100 \times \underline{\hspace{1cm}}) + (10 \times \underline{\hspace{1cm}}) + (1 \times \underline{\hspace{1cm}})$$

Devonte also collects stamps as a hobby. He has 3 full books that each have 100 stamps and a partially filled book that has 10 stamps on each of 3 pages and 4 stamps on 1 page. Who has more stamps in their collection?

Show your work.

Answer _____

41 Measure the length, in inches, of each pencil shown below.
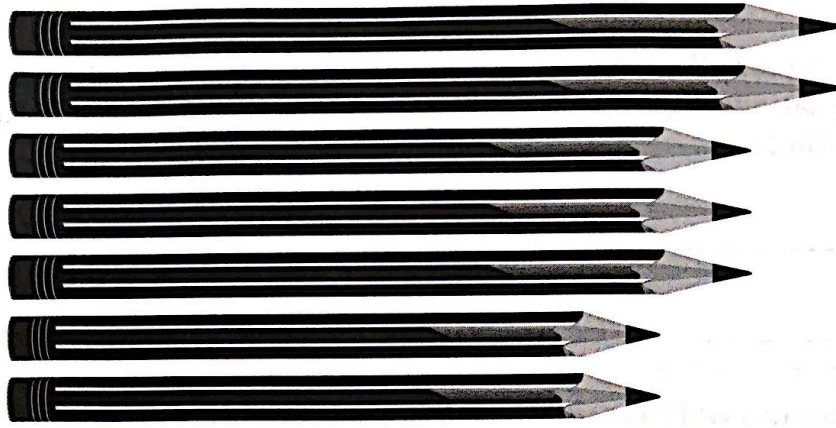
Draw a line plot representing the lengths, in inches, of the pencils. Remember to give the line plot a title and label the axis.

Show your work.

If you laid the pencils in a straight line with no spaces in between them, how long would the line be, in inches?

Answer _____ inches

GO ON

42 Julia works at a music store. One of her jobs is to stock new CDs on the shelf. A recent order arrived with 215 classical CDs, 125 jazz CDs, and 330 soft rock CDs.

Julia needs to place the CDs on the sale racks with 5 CDs in each group. Write two different equations that can be used to show how many groups, *g*, Julia will use to arrange all the CDs.

Equation _____

Equation _____

How many groups will Julia use to arrange all of the CDs?

Show your work.

Answer _____ groups

43 D'John saves $8 in a week. Arthur saves 4 times the amount D'John saves in the same week.

Write an equation that shows how to find the amount, a, Arthur saves. Then solve the equation.

Equation _____

Answer _____

If D'John and Arthur continue to save at the same rate as found above, how many weeks will it take each boy to save $64?

Show your work.

D'John _____ weeks

Arthur _____ weeks

After saving $64, D'John saves $8 again the next week. Arthur saves $4 more than the amount D'John saves that week. Can the equation you wrote above be used to find the amount Arthur saves that week? Explain your answer.

_____

_____

_____

GO ON

44

Mrs. Connors went to a shopping mall and spent $\frac{3}{5}$ of the money she had in her wallet at a department store. She bought new pots and pans and spent $35 on a pair of jeans.

How much money did she pay for the pots and pans if she had $250 in her wallet?

Show your work.

Answer $ _____

In a clothing store, Mrs. Connors saw a sweater that cost $\frac{2}{5}$ of the money she had left after paying for the pots, pans, and jeans. How much money did she have left after purchasing the sweater?

Show your work.

Answer $ _____

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45 Benita measured the lengths of ten insects for a class science project. The lengths of the insects, in inches, are listed below.

$$\frac{3}{8}, \frac{1}{8}, \frac{4}{8}, \frac{7}{8}, \frac{7}{8}, \frac{6}{8}, \frac{1}{8}, \frac{4}{8}, \frac{1}{8}, \frac{7}{8}$$

Draw a line plot of the data. Remember to give the line plot a title and label the axis.

Show your work.

What is the difference between the lengths of the longest and the shortest insects?

Answer _____ inch(es)

If the five shortest insects were lined up, one after the other with no spaces in between, how long would the line be?

Answer _____ inch(es)

STOP

Name_____

Teacher_____ Grade_____

School_____ City_____

Book 1	Book 2

Book 1

1. Ⓐ Ⓑ Ⓒ Ⓓ
2. Ⓐ Ⓑ Ⓒ Ⓓ
3. Ⓐ Ⓑ Ⓒ Ⓓ
4. Ⓐ Ⓑ Ⓒ Ⓓ
5. Ⓐ Ⓑ Ⓒ Ⓓ
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27. Ⓐ Ⓑ Ⓒ Ⓓ
28. Ⓐ Ⓑ Ⓒ Ⓓ
29. Ⓐ Ⓑ Ⓒ Ⓓ
30. Ⓐ Ⓑ Ⓒ Ⓓ

Book 2

31. Ⓐ Ⓑ Ⓒ Ⓓ
32. Ⓐ Ⓑ Ⓒ Ⓓ
33. Ⓐ Ⓑ Ⓒ Ⓓ
34. Ⓐ Ⓑ Ⓒ Ⓓ
35. Ⓐ Ⓑ Ⓒ Ⓓ
36. Ⓐ Ⓑ Ⓒ Ⓓ
37. Ⓐ Ⓑ Ⓒ Ⓓ
38. Ⓐ Ⓑ Ⓒ Ⓓ

For questions 39 through 45, write your answers in the book.

39. See page 21.
40. See page 22.
41. See page 23.
42. See page 24.
43. See page 25.
44. See page 26.
45. See page 27.

Ready® New York CCLS Mathematics Practice 2, Grade 4
Answer Form

Name_____

Teacher_____ Grade_____

School_____ City_____

Book 1

1. Ⓐ Ⓑ Ⓒ Ⓓ
2. Ⓐ Ⓑ Ⓒ Ⓓ
3. Ⓐ Ⓑ Ⓒ Ⓓ
4. Ⓐ Ⓑ Ⓒ Ⓓ
5. Ⓐ Ⓑ Ⓒ Ⓓ
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7. Ⓐ Ⓑ Ⓒ Ⓓ
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18. Ⓐ Ⓑ Ⓒ Ⓓ
19. Ⓐ Ⓑ Ⓒ Ⓓ
20. Ⓐ Ⓑ Ⓒ Ⓓ
21. Ⓐ Ⓑ Ⓒ Ⓓ
22. Ⓐ Ⓑ Ⓒ Ⓓ
23. Ⓐ Ⓑ Ⓒ Ⓓ
24. Ⓐ Ⓑ Ⓒ Ⓓ
25. Ⓐ Ⓑ Ⓒ Ⓓ
26. Ⓐ Ⓑ Ⓒ Ⓓ
27. Ⓐ Ⓑ Ⓒ Ⓓ
28. Ⓐ Ⓑ Ⓒ Ⓓ
29. Ⓐ Ⓑ Ⓒ Ⓓ
30. Ⓐ Ⓑ Ⓒ Ⓓ

Book 2

31. Ⓐ Ⓑ Ⓒ Ⓓ
32. Ⓐ Ⓑ Ⓒ Ⓓ
33. Ⓐ Ⓑ Ⓒ Ⓓ
34. Ⓐ Ⓑ Ⓒ Ⓓ
35. Ⓐ Ⓑ Ⓒ Ⓓ
36. Ⓐ Ⓑ Ⓒ Ⓓ
37. Ⓐ Ⓑ Ⓒ Ⓓ
38. Ⓐ Ⓑ Ⓒ Ⓓ

For questions 39 through 45, write your answers in the book.

39. See page 49.
40. See page 50.
41. See page 51.
42. See page 52.
43. See page 53.
44. See page 54.
45. See page 55.

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