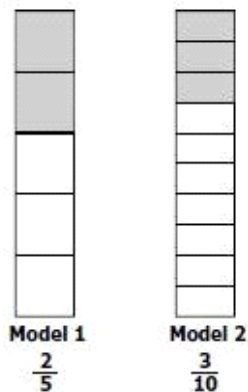


- 1 The difference between 76,423 and 29,876 is *best* described as closest to —
- A 60,000
 - B 50,000
 - C 40,000
 - D 30,000

- 2 53×18 is *closest* to —
- F 100
 - G 600
 - H 1,000
 - J 1,800

- 3 What is the sum of the fractions shown by the shaded parts of the models?



- A $\frac{5}{15}$
- B $\frac{5}{10}$
- C $\frac{7}{10}$
- D $\frac{10}{15}$

4 $4.2 - 2.86 = \underline{\quad}$

F 1.34

G 2.66

H 3.28

J 7.06

5 The difference $743 - 239$ is *best* described as a little more than —

A 200

B 300

C 400

D 500

6 $6 \overline{)138}$

F 21

G 23

H 24

J 28

7 $3.76 + 2.99 = \underline{\quad}$

A 5.65

B 5.75

C 6.65

D 6.75

8 Which is *closest* to $82 \div 7$?

F 10

G 20

H 30

J 40

9 What is the difference between $\frac{6}{7}$ and $\frac{2}{7}$?

A $\frac{4}{0}$

B $\frac{4}{14}$

C $\frac{4}{7}$

D $\frac{8}{7}$

10 Ms. Kraft bought 4 bags of rocks for her garden. Each bag contained 107 rocks. What is the total number of rocks she bought?

$$107 \times 4 = \underline{\quad}$$

F 408

G 424

H 428

J 468

11 Kim and José shared one whole pizza. Kim ate $\frac{4}{6}$ of the pizza, and José ate $\frac{3}{12}$ of the pizza. How much of the pizza was eaten?

A $\frac{1}{12}$

B $\frac{5}{12}$

C $\frac{7}{12}$

D $\frac{11}{12}$

12
$$\begin{array}{r} 71,965 \\ - 42,749 \\ \hline \end{array}$$

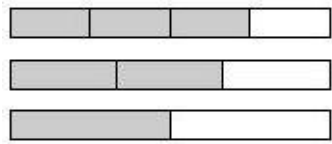
F 29,216

G 31,224

H 39,124

J 39,226

- 13 The fraction bars each show one whole divided into fractional parts.



Which is true?

- A $\frac{3}{4} > \frac{1}{2}$
B $\frac{1}{2} > \frac{2}{3}$
C $\frac{2}{3} = \frac{3}{4}$
D $\frac{3}{4} = \frac{1}{2}$
- 14 How is 75,054 written in words?
F Seventy-five, fifty-four
G Seventy-five hundred, fifty-four
H Seventy-five thousand, fifty-four
J Seventy-five thousand, five hundred four

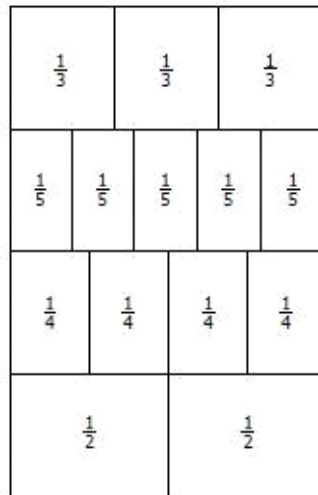
15 Which statement is true?

- A $6,785 = 6,857$
B $4,958 < 9,350$
C $9,350 < 4,958$
D $5,092 > 5,902$

16 What is 265,200 rounded to the nearest hundred thousand?

- F 200,000
G 265,000
H 270,000
J 300,000

17 There are 4 fraction strips shown.



Which fraction has the least value?

A $\frac{1}{3}$

B $\frac{1}{5}$

C $\frac{1}{4}$

D $\frac{1}{2}$

18 Which of the following numbers will round to 26 ?

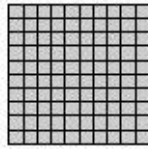
F 25.3

G 25.5

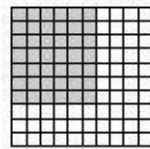
H 26.7

J 27.1

19 This model is shaded to represent the number 1.



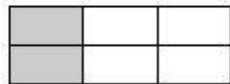
The model shown is shaded to represent part of 1.



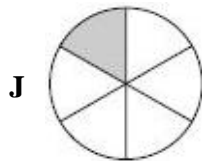
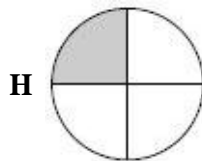
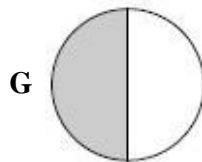
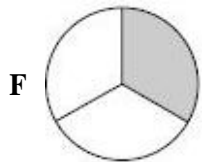
Which decimal *best* represents the shaded part of this model?

- A 0.42
- B 0.042
- C 4.2
- D 42

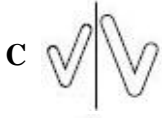
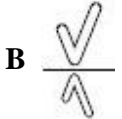
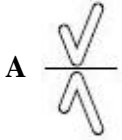
20 This model represents $\frac{2}{6}$.



Which model represents a fraction that is equivalent to $\frac{2}{6}$?



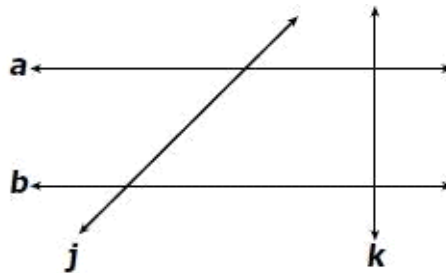
21 Which pair of figures appears to be congruent?



22 A puppy weighs 2 pounds. What is the puppy's weight in ounces?

- F 32 ounces
- G 20 ounces
- H 16 ounces
- J 8 ounces

23 The drawing shows lines a , b , j , and k .



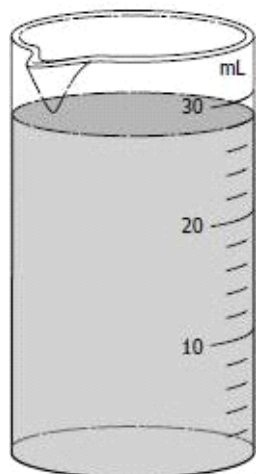
Which of the following pairs of lines appear to be perpendicular?

- A Lines a and j
- B Lines b and j
- C Lines a and k
- D Lines a and b

24 A paper clip is 2.5 centimeters long. Which is closest to the length, in inches, of the paper clip?

- F 1
- G 2
- H 5
- J 12

25 Which measurement is *closest* to the volume of liquid in this beaker?

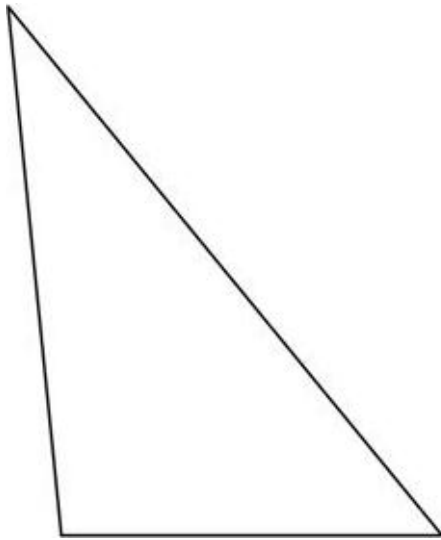


- A 10 milliliters
- B 20 milliliters
- C 30 milliliters
- D 40 milliliters

26 Which is true of a square?

- F It has no sides of equal length.
- G It has 4 curved sides.
- H It has only 1 pair of parallel sides.
- J It has 4 right angles.

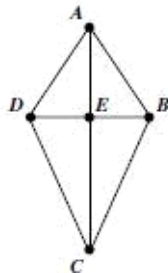
27 Use your centimeter (cm) ruler to answer this question.



Which is closest to the perimeter of the figure shown?

- A 21 cm
- B 18 cm
- C 12 cm
- D 9 cm

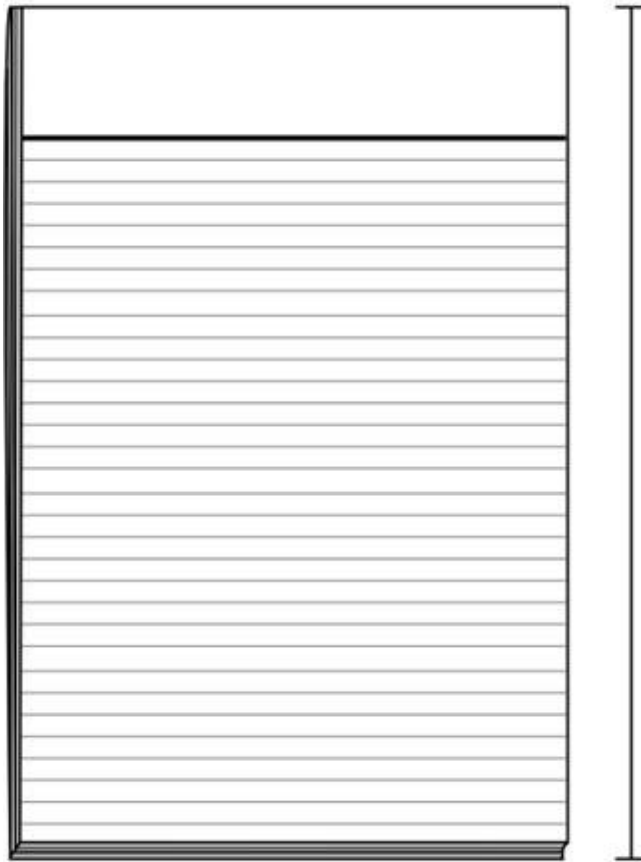
28



What is the maximum number of line segments shown in this drawing?

- F 4
- G 5
- H 10
- J 11

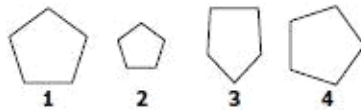
29 Use your inch ruler to help you answer this question.



Which is closest to the length of this notepad?

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

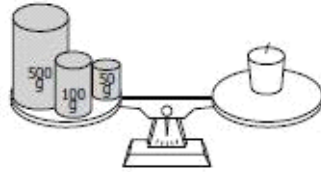
30



Which two shapes appear to be congruent?

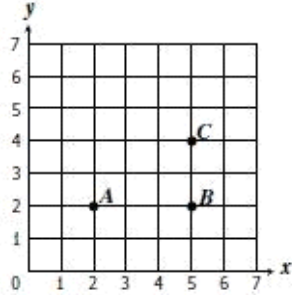
- F 1 and 2
G 2 and 3
H 3 and 4
J 4 and 1

- 31 **Kenny measured the mass of a candle on a balance scale.**



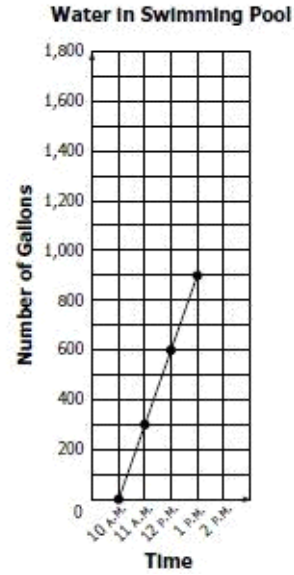
Which appears to be the mass of the candle pictured?

- A 500 g
 - B 550 g
 - C 600 g
 - D 650 g
- 32 **Which ordered pair would have to represent point *D* in order to complete rectangle *ABCD* ?**



- F (2, 4)
- G (2, 5)
- H (4, 2)
- J (5, 2)

- 33 Gary filled his 10,000-gallon swimming pool with water from a garden hose. He started filling the pool at 10:00 A.M.



Gary continues to add water to the pool at this same rate. Which is closest to the number of gallons of water that will be in the pool at 2:00 P.M. on the same day?

- A 300 gallons
- B 1,200 gallons
- C 1,500 gallons
- D 1,600 gallons

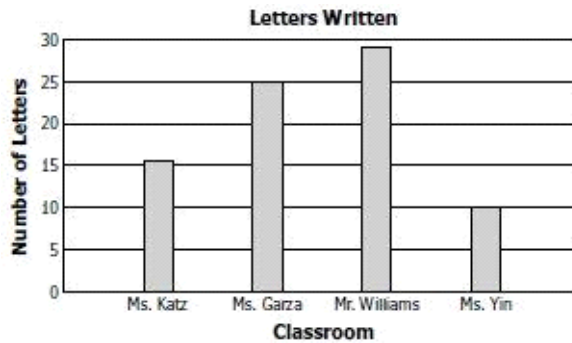
- 34 A pouch contains 5 blue marbles, 2 red marbles, 1 green marble, and 4 pink marbles.



What is the probability that Jorge will select, without looking, a red marble on the first try?

- F $\frac{10}{12}$
- G $\frac{1}{2}$
- H $\frac{2}{10}$
- J $\frac{2}{12}$

- 35 This bar graph shows the number of letters written by students in four third-grade classrooms.





Which question *cannot* be answered using the information in this bar graph?

- A Which two classrooms combined wrote 35 letters?
- B Which classroom wrote the least number of letters?
- C Which classroom wrote the greatest number of letters?
- D Which month did Mr. Williams' class write the most letters?

- 36 The table shows the number of cans of different-colored paint in Mr. Eggan's garage. Each can is the same size.

Mr. Eggan's Paint Cans

Color	Number
 Peach	3
 White	4

Mr. Eggan chooses one paint can without looking. What is the probability the first can chosen will be a can of white paint?

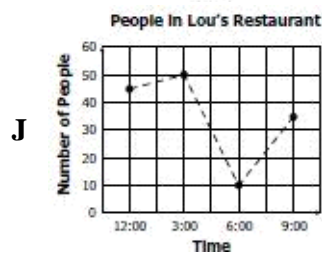
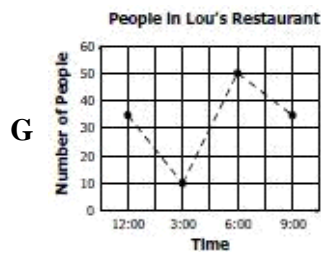
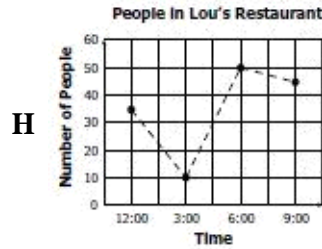
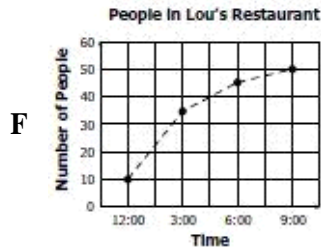
- F $\frac{3}{7}$
- G $\frac{4}{7}$
- H $\frac{3}{4}$
- J $\frac{4}{3}$
- 37 Margaret bought a box of 12 doughnuts. It is impossible for the doughnut picked from the box to be glazed. Which of the following is the number of glazed doughnuts in the box?
- A 0
- B 1
- C 2
- D 3

- 38 This table shows the number of people in Lou's Restaurant at different times during the same day.

People In Lou's Restaurant

Time	12:00	3:00	6:00	9:00
Number of People	35	10	50	45

Which line graph correctly shows this information?



- 39 A box contains 45 bags of cheese popcorn and 5 bags of caramel popcorn. Which of the following *best* describes the chances that the first bag of popcorn taken from the box will be caramel popcorn?

- A Impossible
- B Unlikely, but not impossible
- C Likely, but not certain
- D Certain

40 Taylor put the following fruit stickers of the same size and shape in a bag:

- 2 apple stickers
- 3 orange stickers
- 1 pear sticker
- 2 plum stickers

Taylor will pick one fruit sticker from the bag without looking. What is the probability the sticker will be a pear sticker?

F $\frac{1}{8}$

G $\frac{1}{7}$

H $\frac{1}{4}$

J $\frac{1}{3}$

41 Which number correctly completes this number sentence?

$$45 + (14 + 17) = (14 + 45) + \square$$

- A 59
- B 45
- C 17
- D 14

42 When four members of a basketball team stand in a certain order as shown, the numbers on their uniforms make a pattern.



Which rule describes this pattern?

- F Add 8
- G Multiply by 9
- H Divide by 6
- J Subtract 12

43 Which number sentence is true?

- A $21 - (7 + 6) = 7 + (21 + 6)$
- B $33 + (18 + 2) = 18 + (33 + 2)$
- C $15 + (19 + 24) = 19 + (24 - 15)$
- D $29 + (16 - 3) = 16 + (29 + 3)$

44 This table shows the number of minutes Lee practiced tennis during 4 weeks.

Tennis Practice

Week	Minutes
1	75
2	120
3	165
4	210

If the pattern shown in the table continues in the same way, how many minutes will Lee practice during the 6th week?

- F 365
- G 345
- H 300
- J 255

45 Which number sentence is *not* true?

- A $(6 + 5) + 3 = 6 + (5 + 3)$
- B $(5 \times 2) \times 1 = 5 \times (2 \times 4)$
- C $(5 + 5) + 2 = 5 + (5 + 2)$
- D $8 \times (2 \times 3) = (8 \times 2) \times 3$

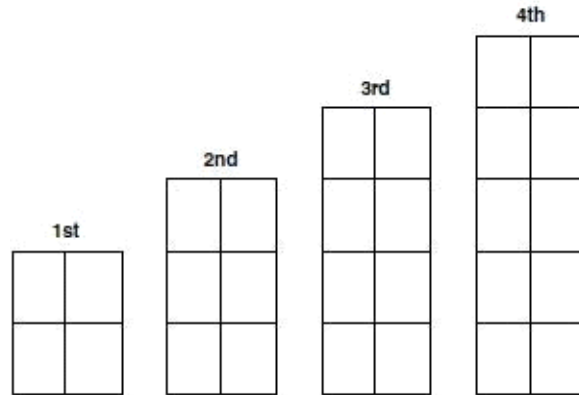
46 The numbers on these mailboxes form a pattern.



This pattern continues in the same way. Which number will be on the next mailbox?

- F 202
- G 200
- H 199
- J 197

- 47 Harry saw these columns being built for a highway overpass. Each of the columns has 2 more blocks than the column before it.



If this pattern continues, how many blocks should the 5th column have?

- A 8
 - B 10
 - C 12
 - D 14
- 48 Which statement is true?
- F $2 \times 9 = 3 \times 8$
 - G $2 \times 9 = 4 \times 6$
 - H $3 \times 6 = 2 \times 12$
 - J $3 \times 8 = 4 \times 6$

- 49 Look at the pattern of numbers.

2, 10, 18, __, 34, 42

What is the missing number in this pattern?

- A 20
 - B 26
 - C 28
 - D 30
- 50 What number makes this number sentence true?

$$7 + (13 + 4) = (7 + \underline{\quad}) + 4$$

- F 4
- G 7
- H 11
- J 13

