Choose the correct answer.

1. Daniel plans to use a strategy to find 18×470. Which expression shows a strategy he could use?

(A) $4 \times 5 \times 470$

(B) $3 \times 6 \times 470$

(C) $6 \times 3 \times 47$

(D) $18 \times 0 \times 470$

2. Mia has 2,590 digital photos saved on her computer. Ella has 5 times as many saved on her computer. How many digital photos does Ella have saved on her computer?

(A) 12,950

(B) 12,550

(C) 11,550

(D) 10,950

3. A factory can make 2,035 markers in one hour. Which is the **best** estimate of how many markers can be made in 6 hours?

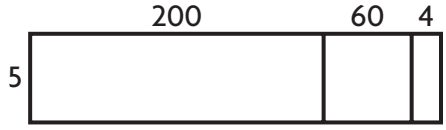
(A) 1,200 markers

(B) 2,000 markers

(C) 12,000 markers

(D) 20,000 markers

4. Ryan made this model to find the product of a 3-digit number and a 1-digit number.



What multiplication sentence represents Ryan's model?

(A) $5 \times 264 = 1{,}320$

(B) $5 \times 260 = 1{,}300$

(C) $5 \times 246 = 1{,}230$

(D) $5 \times 204 = 1{,}020$

5. Kate lives 0.6 mile from her school. Which fraction is equivalent to 0.6?

(A) $\frac{0}{6}$

(B) $\frac{6}{100}$

(C) $\frac{1}{6}$

(D) $\frac{6}{10}$

GO ON

6. Anna jogged $1\frac{3}{10}$ miles on a path in the park. What is this distance written as a decimal?

(A) 0.13 mile

(B) 1.03 miles

(C) 1.3 miles

(D) 13 miles

7. Rico walked for $\frac{3}{10}$ mile. Then he walked for $\frac{24}{100}$ mile. How far did he walk in all?

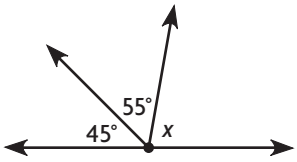
(A) $\frac{54}{100}$ mile

(B) $\frac{5}{10}$ mile

(C) $\frac{30}{100}$ mile

(D) $\frac{27}{100}$ mile

8. What is the measure of the unknown angle in the figure?



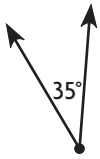
(A) 180°

(B) 100°

(C) 80°

(D) 70°

9. David drew the angle below.



What name should David give his angle?

(A) obtuse angle

(B) acute angle

(C) right angle

(D) straight angle

10. Maria put two angles together to form a straight angle. One angle measures 112°. What is the measure of the other angle?

(A) 78°

(B) 68°

(C) 58°

(D) 48°

GO ON

11. How many degrees are in an angle that turns through $\frac{1}{2}$ of a circle?

Ⓐ 90°

Ⓑ 180°

Ⓒ 270°

Ⓓ 360°

12. Flora needs $\frac{3}{8}$ yard of blue ribbon and $\frac{2}{8}$ yard of red ribbon to make a bow for a present she is wrapping. How much ribbon does Flora need in all?

Ⓐ $\frac{1}{8}$ yard

Ⓑ $\frac{5}{16}$ yard

Ⓒ $\frac{5}{8}$ yard

Ⓓ $\frac{7}{8}$ yard

13. Tyler brought $\frac{7}{12}$ pound of trail mix on a camping trip. He ate $\frac{4}{12}$ pound of the trail mix. How much trail mix is left?

Ⓐ $\frac{11}{12}$ pound

Ⓑ $\frac{4}{12}$ pound

Ⓒ $\frac{3}{12}$ pound

Ⓓ $\frac{1}{12}$ pound

14. Mark rode his bike $\frac{22}{8}$ miles. Which mixed number shows the fraction of miles he rode his bike?

Ⓐ $2\frac{6}{8}$ miles

Ⓑ $2\frac{4}{8}$ miles

Ⓒ $2\frac{3}{8}$ miles

Ⓓ $2\frac{1}{8}$ miles

15. Zoey has $8\frac{1}{3}$ feet of blue yarn and $4\frac{2}{3}$ feet of green yarn. How much more blue yarn does Zoey have than green yarn?

Ⓐ $3\frac{1}{3}$ feet

Ⓑ $3\frac{2}{3}$ feet

Ⓒ $4\frac{1}{3}$ feet

Ⓓ $4\frac{2}{3}$ feet

GO ON

16. Kayla has 36 flower stickers, 27 bird stickers, and 18 butterfly stickers. She wants to put an equal number of each type of sticker into bags so all of the bags will be the same. How many of each kind of sticker can Kayla put in each bag?

(A) 9

(B) 1 or 9

(C) 1, 3, or 9

(D) 1, 3, 9, 12, or 18

17. Leah and Tony were playing a game. Leah was counting by 8s. Tony was counting by 3s. They paced the counting so they would say the first common number together. What is the first number they both said together?

(A) 12

(B) 24

(C) 32

(D) 36

18. Chen's friend Bob is helping him learn about prime numbers. Bob writes a list of numbers and asks Chen to choose the prime number. Which number should Chen choose?

(A) 12

(B) 24

(C) 31

(D) 36

19. Liz and Dave made a secret code. They wrote some numbers in the code to help them remember the pattern.

8, 11, 10, 13, 12, 15, 14, 17

What should be the next number in the code?

(A) 15

(B) 16

(C) 18

(D) 20

20. The Simmons family is taking a 2-week vacation to Alaska. How many days will their vacation last?

(A) 7 days

(B) 14 days

(C) 21 days

(D) 24 days

GO ON

21. The table shows a pattern for two units of customary length.

_____	_____
1	12
2	24
3	36
4	48

Which are the best labels for each column?

(A) Miles, Yards

(B) Yards, Feet

(C) Yards, Inches

(D) Feet, Inches

22. The tour of the space museum started at 10:45 A.M. It lasted for 1 hour 30 minutes. What time did the tour end?

(A) 11:15 A.M.

(B) 11:45 P.M.

(C) 12:15 P.M.

(D) 1:15 P.M.

23. Patrick mixed 3 quarts 1 pint of orange juice with 3 pints of cranberry juice and 1 pint of grape juice to make punch. How much punch does he have?

(A) 5 quarts 1 pint

(B) 5 quarts

(C) 4 quarts 1 pint

(D) 4 quarts

24. Karen scored 157,834 points on the third level of her computer game. What is the value of the digit 5 in 157,834?

(A) 500,000

(B) 50,000

(C) 5,000

(D) 500

25. Maria used number tiles to make the number 538,397. Jimmy used number tiles to make the number 583,397. Which statement about these numbers is correct?

(A) $583{,}397 < 538{,}397$

(B) $583{,}397 > 538{,}397$

(C) $583{,}397 = 538{,}397$

(D) $538{,}397 > 583{,}397$

GO ON

26. Pete's Pizza sold 65,182 pizzas the first year they were open. They sold 58,458 pizzas the second year. What was the total number of pizzas sold during the first two years of business?

(A) 113,640

(B) 123,540

(C) 123,630

(D) 123,640

27. The town Sean lives in has 48,968 people. The town Debra lives in has 73,815 people. How many more people live in Debra's town?

(A) 24,847

(B) 24,947

(C) 25,847

(D) 34,847

28. Patel uses 150 feet of fencing to fence in his rectangular garden. The width of the garden is 25 feet. What is the length of the garden?

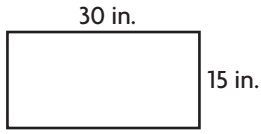
(A) 65 feet

(B) 40 feet

(C) 50 feet

(D) 60 feet

29. Molly builds a rectangular exercise pen for her hamsters.



What is the perimeter of the exercise pen?

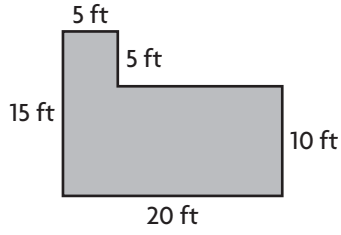
(A) 45 inches

(B) 90 inches

(C) 100 inches

(D) 450 inches

30. Mr. Wilson is building a new patio off the back of his house.



How much tile does Mr. Wilson need to cover his patio?

(A) 60 square feet

(B) 200 square feet

(C) 225 square feet

(D) 275 square feet

GO ON

31. One wall of Eric's bedroom is 15 feet wide and 8 feet high. A door on the wall is 7 feet high and 3 feet wide. How much wall paper will Eric need to cover the wall?

(A) 120 square feet

(B) 110 square feet

(C) 99 square feet

(D) 89 square feet

32. Which shows the **best** estimate to use to find 43×28?

(A) $40 \times 20 = 800$

(B) $45 \times 20 = 900$

(C) $40 \times 30 = 1{,}200$

(D) $50 \times 30 = 1{,}500$

33. Sofia can text 40 words in one minute. At that rate, how many words can she text in 12 minutes?

(A) 400

(B) 480

(C) 580

(D) 720

34. From noon to 1 P.M., customers bought 85 pizzas at $18 each. What is the total amount customers paid for the pizzas?

(A) $1,430

(B) $1,490

(C) $1,530

(D) $1,620

35. The Best Read bookstore has 48 boxes of books to be unpacked. Each box contains 24 books. How many books in all need to be unpacked?

(A) 1,052

(B) 1,125

(C) 1,132

(D) 1,152

GO ON

36. Yoshi says he needs a board that is $\frac{17}{4}$ feet long. How can Yoshi rename the fraction as a mixed number?

(A) $5\frac{1}{4}$

(B) $4\frac{1}{4}$

(C) $3\frac{1}{4}$

(D) $2\frac{1}{4}$

37. Marsha named a fraction that was **not** a multiple of $\frac{3}{6}$. Which fraction could she have named?

(A) $\frac{6}{6}$

(B) $\frac{9}{6}$

(C) $\frac{11}{6}$

(D) $\frac{15}{6}$

38. Carlos lives $\frac{3}{8}$ mile from his school. He walks to school each morning and gets a ride home after school. How far does Carlos walk to school in 5 days?

(A) 1 mile

(B) $1\frac{3}{4}$ miles

(C) $1\frac{7}{8}$ miles

(D) $2\frac{7}{8}$ miles

39. Maya spent $1\frac{1}{6}$ hours a day working on her science project. It took her 4 days to complete the project. How much time in all did it take Maya to complete her science project?

(A) $4\frac{4}{6}$ hours

(B) $4\frac{1}{6}$ hours

(C) $3\frac{4}{6}$ hours

(D) $3\frac{1}{6}$ hours

40. On Friday, 148 fourth graders went on a field trip to a wildlife park. The staff divided them into 5 tour groups. Which is the **best** estimate of the number of students in each group?

(A) 50

(B) 40

(C) 30

(D) 20

GO ON

41. Steven needs 42 stickers to decorate a poster he is making. The stickers come on sheets of 12. What is the least number of sheets of stickers Steven should buy?

(A) 5

(B) 4

(C) 3

(D) 2

42. A store gave away 1,498 calendars in 7 days. They gave away the same number of calendars each day. How many calendars did the store give away each day?

(A) 21

(B) 204

(C) 214

(D) 224

43. A cookie factory packs 6 small cookies in a sample pack. The factory gives the sample packs to visitors. How many sample packs can they make with 1,800 cookies?

(A) 3,000

(B) 300

(C) 30

(D) 3

44. Jared drew the figure below.

How many lines of symmetry does the figure have?

(A) 4

(B) 3

(C) 2

(D) 1

45. Bella drew the figure below as an example for her classmate.

Which of the following terms **best** describes the figure Bella drew?

(A) line segment

(B) line

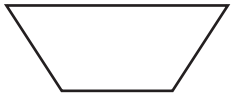
(C) angle

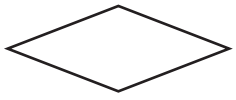
(D) ray

GO ON

46. The garden in Juan's backyard is in the shape of a trapezoid with only 1 pair of parallel sides. Which figure could be the shape of Juan's garden?

Ⓐ 

Ⓑ 

Ⓒ 

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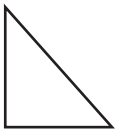
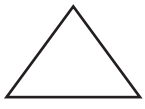
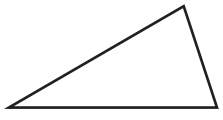
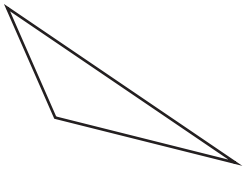
47. A sign is in the shape of an obtuse triangle. Which of the following could be the shape of the sign?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

48. Luisa ran $\frac{3}{5}$ mile yesterday and $\frac{1}{2}$ mile today. Which number is a common denominator for $\frac{3}{5}$ and $\frac{1}{2}$?

Ⓐ 12

Ⓑ 10

Ⓒ 5

Ⓓ 2

49. Justin needs $\frac{2}{3}$ quart of orange juice for the drink he is making. Which fraction is equivalent to $\frac{2}{3}$?

Ⓐ $\frac{4}{9}$

Ⓑ $\frac{1}{2}$

Ⓒ $\frac{6}{9}$

Ⓓ $\frac{4}{3}$

50. Jasmine cut $\frac{3}{8}$ yard of blue ribbon and $\frac{1}{3}$ yard of red ribbon to decorate a package. Which statement correctly compares the fractions?

Ⓐ $\frac{1}{3} > \frac{3}{8}$

Ⓑ $\frac{1}{3} = \frac{3}{8}$

Ⓒ $\frac{3}{8} > \frac{1}{3}$

Ⓓ $\frac{3}{8} < \frac{1}{3}$