Choose the correct answer.

1. Juan plans to use a strategy to find 12×380. Which expression shows a strategy he could use?

(A) $3 \times 4 \times 38$

(B) $4 \times 4 \times 380$

(C) $12 \times 0 \times 380$

(D) $3 \times 4 \times 380$

2. Kate's family saved 2,573 pennies last year. Zoe's family saved 3 times as many. How many pennies did Zoe's family save last year?

(A) 8,519

(B) 7,729

(C) 7,719

(D) 7,519

3. A factory can make 3,848 pencils in one hour. Which is the **best** estimate of how many pencils can be made in 4 hours?

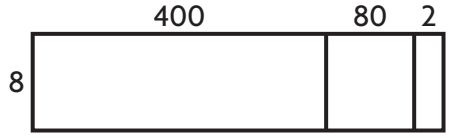
(A) 160,000 pencils

(B) 16,000 pencils

(C) 12,000 pencils

(D) 1,600 markers

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



What multiplication sentence represents Mario's model?

(A) $8 \times 402 = 3{,}216$

(B) $8 \times 428 = 3{,}424$

(C) $8 \times 480 = 3{,}840$

(D) $8 \times 482 = 3{,}856$

5. Julia lives 0.3 mile from the park. Which fraction is equivalent to 0.3?

(A) $\frac{1}{3}$

(B) $\frac{3}{10}$

(C) $\frac{3}{100}$

(D) $\frac{0}{3}$

GO ON

6. Tony rode his bicycle $3\frac{7}{10}$ miles to school. What is this distance written as a decimal?

Ⓐ 0.037 mile

Ⓑ 0.37 mile

Ⓒ 3.7 miles

Ⓓ 37 miles

7. Craig hiked for $\frac{7}{10}$ mile and stopped to take pictures. Then he hiked for another $\frac{25}{100}$ mile. How far did he hike in all?

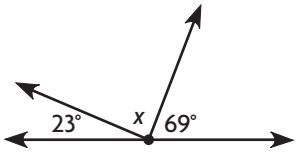
Ⓐ $\frac{32}{100}$ mile

Ⓑ $\frac{70}{100}$ mile

Ⓒ $\frac{85}{100}$ mile

Ⓓ $\frac{95}{100}$ mile

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



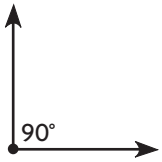
Ⓐ 180°

Ⓑ 92°

Ⓒ 88°

Ⓓ 44°

9. Caroline drew the angle below.



What name should Caroline give her angle?

Ⓐ obtuse angle

Ⓑ acute angle

Ⓒ right angle

Ⓓ straight angle

10. Eric put two angles together to form a straight angle. One angle measures 115°. What is the measure of the other angle?

Ⓐ 65°

Ⓑ 75°

Ⓒ 85°

Ⓓ 95°

GO ON

11. How many degrees are in an angle that turns through $\frac{1}{3}$ of a circle?

(A) 360°

(B) 180°

(C) 120°

(D) 90°

12. Irene bought $\frac{9}{16}$ pound of wheat flour and $\frac{4}{16}$ pound of rye flour to use in a bread recipe. How much flour did Irene buy in all?

(A) $\frac{15}{16}$ pound

(B) $\frac{13}{16}$ pound

(C) $\frac{1}{2}$ pound

(D) $\frac{13}{32}$ pound

13. Dan has a piece of wood that is $\frac{9}{10}$ meter long. He uses $\frac{6}{10}$ meter of the piece of wood for a model boat he is building. How much of the piece of wood does Dan have left?

(A) $\frac{15}{10}$ meters

(B) $\frac{3}{5}$ meter

(C) $\frac{5}{10}$ meter

(D) $\frac{3}{10}$ meter

14. One of the hiking trails at a state park is $\frac{14}{3}$ miles long. Which mixed number shows the length of the hiking trail?

(A) $4\frac{2}{3}$ miles

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

(C) $3\frac{2}{3}$ miles

(D) $3\frac{1}{3}$ miles

15. Emma has $5\frac{3}{8}$ pounds of potato salad and $2\frac{7}{8}$ pounds of egg salad for a picnic. How many more pounds of potato salad than egg salad does Emma have?

(A) 3 pounds

(B) $2\frac{3}{4}$ pounds

(C) $2\frac{1}{2}$ pounds

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

GO ON

16. Anna has 32 red beads, 16 blue beads, and 8 green beads. She wants to put an equal number of each kind of bead on necklaces she is making. How many of each kind of bead can Anna put on each necklace?

(A) 8

(B) 2, 4 or 8

(C) 2 or 4

(D) 1, 2, 4, or 8

17. Paula and Karen are playing a game. Paula counts by 4s. Karen counts by 5s. They try to pace the counting so they will say the first common number together. What is the first number they both say together?

(A) 20

(B) 15

(C) 12

(D) 5

18. Jeff's teacher writes a list of numbers on the board. She asks Jeff to circle the prime number. Which number should Jeff circle?

(A) 6

(B) 10

(C) 13

(D) 15

19. Ming writes a number pattern on a slip of paper and hands it to his friend Jack.

24, 21, 23, 20, 22, 19, 21, 18

Jack writes the next number in the pattern and hands the paper back to Ming. What number should Jack write?

(A) 19

(B) 20

(C) 21

(D) 22

20. Dawn's family is taking a 3-day vacation to visit her cousins. How many hours will they be away?

(A) 24 hours

(B) 36 hours

(C) 48 hours

(D) 72 hours

GO ON

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

_____	_____
1	4
2	8
3	12
4	16

Which are the best labels for each column?

(A) Gallons, Cups

(B) Quarts, Cups

(C) Pints, Cups

(D) Cups, Fluid Ounces

22. Carlos and his family left for the amusement park at 8:35 A.M. The trip took 1 hour 55 minutes. What time did they arrive?

(A) 9.35 A.M.

(B) 10:15 A.M.

(C) 10:30 A.M.

(D) 10:45 A.M.

23. Sandy cut three pieces of yarn to use for her art project. One piece was 1 foot 8 inches long, one was 10 inches long, and one was 2 feet 6 inches long. How much yarn did Sandy use?

(A) 3 feet 12 inches

(B) 4 feet 10 inches

(C) 5 feet

(D) 5 feet 6 inches

24. A picture called a mosaic was made from 172,435 small clay tiles. What is the value of the digit 2 in 172,435?

(A) 200

(B) 2,000

(C) 20,000

(D) 200,000

25. Maya used number tiles to make the number 428,745. Then she changed two digits to make the number 427,845. Which statement about these numbers is correct?

(A) $428{,}745 < 427{,}845$

(B) $427{,}845 = 428{,}745$

(C) $427{,}845 > 428{,}745$

(D) $427{,}845 < 428{,}745$

GO ON

26. An amusement park had 56,437 visitors the first year and 48,319 visitors the second year it was open. What was the total number of visitors for both years?

(A) 114,756 visitors

(B) 104,756 visitors

(C) 104,746 visitors

(D) 94,746 visitors

27. Mika and Shelly were playing a video game. Mika scored 65,324 points. Shelly scored 46,789 points. How many more points did Mika score than Shelly?

(A) 28,645

(B) 28,535

(C) 18,645

(D) 18,535

28. The lunch room at Diane's school has a perimeter of 300 feet. The length of the room is 85 feet. What is the width of the room?

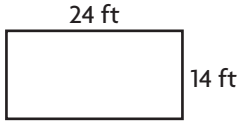
(A) 50 feet

(B) 65 feet

(C) 75 feet

(D) 150 feet

29. Patel made a rectangular garden in his family's backyard.



What is the perimeter of the garden?

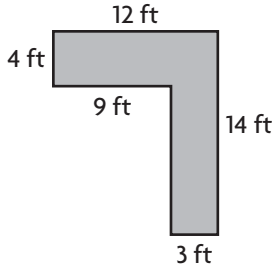
(A) 336 feet

(B) 76 feet

(C) 48 feet

(D) 38 feet

30. Patrick drew this plan for a new walkway through his backyard.



How many square feet of bricks will Patrick need to cover the walkway?

(A) 168 square feet

(B) 90 square feet

(C) 78 square feet

(D) 52 square feet

GO ON

31. Philip is making a poster that is 36 inches long and 24 inches wide. He cuts out a rectangle that is 5 inches long and 12 inches wide from the poster. How much of the poster remains?

(A) 140 square inches

(B) 704 square inches

(C) 804 square inches

(D) 864 square inches

32. Which shows the **best** estimate to use to find 43×78?

(A) $40 \times 70 = 2{,}800$

(B) $40 \times 80 = 3{,}200$

(C) $50 \times 70 = 3{,}500$

(D) $50 \times 80 = 4{,}000$

33. Chen can jump rope 60 times a minute. At that rate, how many jumps can he make in 9 minutes?

(A) 620

(B) 540

(C) 520

(D) 500

34. Marjorie's customers bought 94 bouquets at her flower shop for $14 each. What is the total amount customers paid for the bouquets?

(A) $1,216

(B) $1,306

(C) $1,316

(D) $1,416

35. Lonnie works weekends at his uncle's apple orchid. He has 47 baskets of apples to pack. Each basket holds 35 apples. How many apples in all will Lonnie pack?

(A) 1,745

(B) 1,715

(C) 1,645

(D) 1,445

GO ON

36. Matt is making a picture frame from a piece of wood trim that is $\frac{27}{8}$ feet long. How can Matt rename the fraction as a mixed number?

Ⓐ $3\frac{3}{8}$

Ⓑ $2\frac{3}{8}$

Ⓒ $2\frac{1}{4}$

Ⓓ $1\frac{3}{8}$

37. Suki named a fraction that was **not** a multiple of $\frac{3}{4}$. Which fraction could she have named?

Ⓐ $\frac{6}{4}$

Ⓑ $\frac{9}{4}$

Ⓒ $\frac{10}{4}$

Ⓓ $\frac{12}{4}$

38. Larry rides his bike $\frac{5}{6}$ mile 4 times a week. How far does Larry ride his bike each week?

Ⓐ $3\frac{1}{3}$ miles

Ⓑ $3\frac{2}{3}$ miles

Ⓒ 4 miles

Ⓓ 20 miles

39. Jason's soccer practice lasts for $1\frac{1}{3}$ hours. He goes to practice 4 days a week. How much time in all does Jason spend at soccer practice?

Ⓐ $6\frac{2}{3}$ hours

Ⓑ $6\frac{1}{3}$ hours

Ⓒ $5\frac{2}{3}$ hours

Ⓓ $5\frac{1}{3}$ hours

40. At the beginning of the school year, 118 students are enrolled in 4th grade. The students are divided into 6 classes. Which is the **best** estimate of the number of students in each class?

Ⓐ 10

Ⓑ 20

Ⓒ 30

Ⓓ 40

GO ON

41. The art teacher needs 70 markers for her classes. The markers come in packages of 15. What is the smallest number of packages of markers the art teacher will need to buy?

(A) 5

(B) 4

(C) 3

(D) 2

42. A movie theater sold 2,604 tickets in 6 days. They sold the same number of tickets each day. How many tickets did the theater sell each day?

(A) 404

(B) 434

(C) 443

(D) 534

43. A pencil company packs pencils in boxes of 8. How many boxes can they pack with 32,000 pencils?

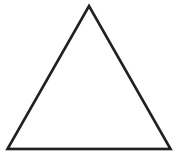
(A) 40,000

(B) 4,000

(C) 400

(D) 40

44. Brad drew the figure below.



How many lines of symmetry does the figure have?

(A) 4

(B) 3

(C) 2

(D) 1

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

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

(A) line segment

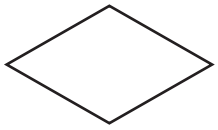
(B) line

(C) angle

(D) ray

GO ON

46. A window is in the shape of a trapezoid with only 1 pair of parallel sides. Which figure could be the shape of the window?

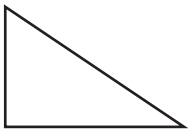
Ⓐ 

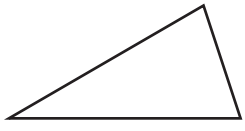
Ⓑ 

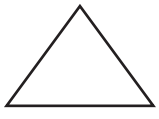
Ⓒ 

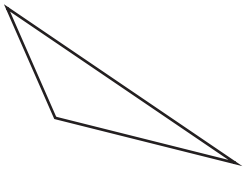
Ⓓ 

47. A flag is in the shape of a right triangle. Which of the following could be the shape of the flag?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

48. Andy walked $\frac{3}{4}$ of a mile to the post office and another $\frac{1}{2}$ mile to the supermarket. Which number is a common denominator for $\frac{3}{4}$ and $\frac{1}{2}$?

Ⓐ 10

Ⓑ 8

Ⓒ 6

Ⓓ 5

49. Simon bought $\frac{6}{8}$ of a pound of tuna salad for sandwiches. Which fraction is equivalent to $\frac{6}{8}$?

Ⓐ $\frac{2}{4}$

Ⓑ $\frac{1}{2}$

Ⓒ $\frac{2}{3}$

Ⓓ $\frac{12}{16}$

50. Anita mixes $\frac{3}{5}$ pound of peanuts with $\frac{3}{8}$ pound of raisins to make a snack. Which statement correctly compares the fractions?

Ⓐ $\frac{3}{8} = \frac{3}{5}$

Ⓑ $\frac{3}{8} > \frac{3}{5}$

Ⓒ $\frac{3}{5} > \frac{3}{8}$

Ⓓ $\frac{3}{5} < \frac{3}{8}$