Name _____

Choose the correct answer.

1. John plans to use a strategy to find 32×120. Which expression shows a strategy he could use?

A $4 \times 8 \times 120$

B $4 \times 8 \times 12$

C $8 \times 4 \times 100$

D $32 \times 0 \times 120$

2. Ava took 3,454 digital photos last year. Emily took 4 times as many. How many digital photos did Emily take last year?

A 12,816

B 13,616

C 13,806

D 13,816

3. A factory can produce 3,120 cars in a week. Which is the **best** estimate of how many cars the factory can produce in 4 weeks?

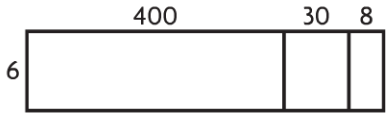
A 1,200

B 2,000

C 12,000

D 20,000

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



What multiplication sentence represents Ethan's model?

A $6 \times 483 = 2{,}898$

B $6 \times 438 = 2{,}628$

C $6 \times 430 = 2{,}580$

D $6 \times 408 = 2{,}448$

5. Anna lives 0.8 mile from the mall. Which fraction is equivalent to 0.8?

A $\frac{0}{8}$

B $\frac{1}{8}$

C $\frac{8}{10}$

D $\frac{8}{100}$

GO ON

6. Jack jogged $2\frac{5}{10}$ miles on a path in the park. What is this distance written as a decimal?

A 0.25 mile

B 2.5 miles

C 5.2 miles

D 25 miles

7. Roberto walked for $\frac{6}{10}$ miles. Then he walked for $\frac{25}{100}$ miles. How far did he walk in all?

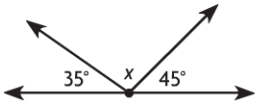
A $\frac{31}{100}$ mile

B $\frac{35}{100}$ mile

C $\frac{85}{100}$ mile

D $\frac{95}{100}$ mile

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



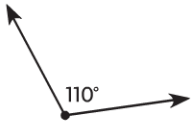
A 180°

B 100°

C 90°

D 80°

9. Melanie drew the angle below.



What name should Melanie give her angle?

A obtuse angle

B acute angle

C right angle

D straight angle

10. Miko put two angles together to form a straight angle. One angle measures 88°. What is the measure of the other angle?

A 92°

B 82°

C 72°

D 42°

GO ON

11. How many degrees are in an angle that turns through $\frac{1}{4}$ of a circle?

A 360°

B 270°

C 180°

D 90°

12. Rosa needs $\frac{5}{12}$ yard of blue ribbon and $\frac{6}{12}$ yard of yellow ribbon to trim a banner she is making. How much ribbon does Rosa need in all?

A $\frac{11}{12}$ yard

B $\frac{3}{4}$ yard

C $\frac{1}{2}$ yard

D $\frac{11}{24}$ yard

13. Sam brought $\frac{7}{8}$ pound of trail mix on a camping trip. He ate $\frac{4}{8}$ pound of the trail mix. How much trail mix is left?

A $\frac{11}{8}$ pound

B $\frac{1}{2}$ pound

C $\frac{3}{8}$ pound

D $\frac{1}{8}$ pound

14. Ryan rode his bike $\frac{18}{4}$ miles. Which mixed number shows the fraction of miles he rode his bike?

A $4\frac{3}{4}$ miles

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

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

D $4\frac{1}{8}$ miles

15. Sarah has $6\frac{2}{4}$ meters of rope and $3\frac{3}{4}$ meters of string. How much more rope does Sarah have than string?

A 3 meters

B $2\frac{3}{4}$ meters

C $2\frac{1}{2}$ meters

D $2\frac{1}{4}$ meters

GO ON

16. Maya has 28 apples, 12 oranges, and 8 mangos. She wants to put an equal number of each kind of fruit into baskets so all of the baskets will be the same. How many of each kind of fruit can Maya put in each basket?

A 4

B 1, 2 or 4

C 1 or 4

D 1, 3, 4, 6, or 8

17. Molly and Brian are playing a game. Molly is counting by 8s. Brian is counting by 6s. They pace the counting so they will say the first common number together. What is the first number they both say together?

A 12

B 18

C 24

D 32

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

A 8

B 11

C 16

D 32

19. Don texts a number pattern to his friend Lou.

4, 8, 6, 10, 8, 12, 10, 14

Lou texts the next number in the pattern back to Don. What is the number?

A 18

B 15

C 12

D 10

20. Mark's family has lived in the same town for 3 years. How many months have they lived in the town?

A 36 months

B 32 months

C 30 months

D 24 months

GO ON

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

_____	_____
1	16
2	32
3	48
4	64

Which are the best labels for each column?

A Yards, Feet

B Kilograms, Grams

C Tons, Pounds

D Pounds, Ounces

22. The bus left for the nature center at 9:15 A.M. The trip there took 1 hour 45 minutes. What time did the bus arrive at the nature center?

A 11:00 A.M.

B 10:45 A.M.

C 10:15 A.M.

D 10:00 A.M.

23. Pedro mixed 1 pound 6 ounces of apples with 1 pound 4 ounces of oranges and 12 ounces of strawberries to make a fruit salad. How much fruit salad does he have?

A 3 pounds 6 ounces

B 3 pounds 4 ounces

C 3 pounds

D 2 pounds 6 ounces

24. Kevin's brother got 738,256 hits on his new website. What is the value of the digit 7 in 738,256?

A 7,000

B 70,000

C 700,000

D 7,000,000

25. Tina used number tiles to make the number 327,869. Jeremy used number tiles to make the number 327,689. Which statement about these numbers is correct?

A $327{,}689 < 327{,}869$

B $327{,}689 > 327{,}869$

C $327{,}689 = 327{,}869$

D $327{,}869 < 327{,}689$

GO ON

26. Paul got a new video game. He scored 35,698 points on his first game and 48,735 points on his second game. What was the total number of points for both games?

A 84,433

B 84,423

C 84,333

D 74,433

27. Laura's city has 56,759 people living in it. The city Jeff lives in has 82,458 people living in it. How many more people live in Jeff's city?

A 35,699

B 25,789

C 25,699

D 25,409

28. The public pool Brent goes to has a perimeter of 270 feet. The width of the pool is 45 feet. What is the length of the pool?

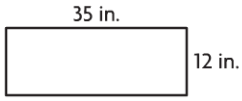
A 225 feet

B 180 feet

C 90 feet

D 6 feet

29. Elaine builds a rectangular flower box to put on her family's porch.



What is the perimeter of the flower box?

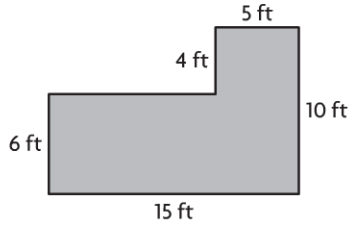
A 47 inches

B 82 inches

C 94 inches

D 420 inches

30. Mr. Lee drew these plans for a new garden in his backyard.



What will the area of Mr. Lee's garden be?

A 150 square feet

B 110 square feet

C 90 square feet

D 40 square feet

GO ON

31. Joseph's notebook cover is 12 inches by 8 inches. He put a wildlife sticker on the notebook. If the sticker is 3 inches by 2 inches. How much of the notebook cover is still showing?

A 108 square inches

B 96 square inches

C 90 square inches

D 84 square inches

32. Which shows the **best** estimate to use to find 18×62?

A $20 \times 70 = 1{,}400$

B $20 \times 60 = 1{,}200$

C $20 \times 50 = 1{,}000$

D $10 \times 70 = 700$

33. Miko can type 70 words in one minute. At that rate, how many words can she type in 12 minutes?

A 800

B 820

C 840

D 880

34. A CD store's customers bought 76 CDs at $16 each. What is the total amount customers paid for the CDs?

A $1,216

B $1,186

C $1,116

D $532

35. Marjorie has 36 boxes of video games to unpack and put on shelves. Each box contains 28 video games. How many video games in all need to be unpacked?

A 2,008

B 1,008

C 968

D 908

GO ON

36. Megan says she needs a piece of rope that is $\frac{15}{6}$ feet long. How can Megan rename the fraction as a mixed number?

A $3\frac{3}{6}$

B $2\frac{3}{6}$

C $2\frac{1}{3}$

D $1\frac{3}{6}$

37. Carla named a fraction that was **not** a multiple of $\frac{3}{8}$. Which fraction could she have named?

A $\frac{6}{8}$

B $\frac{9}{8}$

C $\frac{12}{8}$

D $\frac{14}{8}$

38. Marko runs $\frac{3}{5}$ mile 3 times a week. How far does Marko run each week?

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

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

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

D $1\frac{3}{5}$ miles

39. Ruby spends $1\frac{1}{4}$ hours a day practicing the piano. She practices 6 days a week. How much time in all does Ruby spend practicing the piano each week?

A $8\frac{1}{2}$ hours

B $7\frac{1}{2}$ hours

C $7\frac{1}{4}$ hours

D $6\frac{1}{4}$ hours

40. On Friday, 142 fourth graders went on a field trip to an aquarium. The staff divided them into 7 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. Jared needs 54 balloons to decorate a room for a birthday party. The balloons come in packages of 20. How many packages of balloons should Jared buy?

A 5

B 4

C 3

D 2

42. A new pet store handed out 2,472 coupons in 4 days. They handed out the same number of coupons each day. How many coupons did the store hand out each day?

A 61

B 518

C 608

D 618

43. A sock factory packs 5 pairs of socks to a package. How many packages can they pack with 3,000 pairs of socks?

A 6 packages

B 60 packages

C 600 packages

D 6,000 packages

44. Andrew drew the figure below.

How many lines of symmetry does the figure have?

A 4

B 3

C 2

D 1

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

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

A line segment

B line

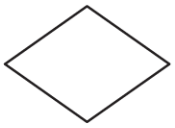
C angle

D ray

GO ON

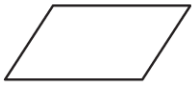
46. A fishpond is in the shape of a rhombus. Which figure could be the shape of the fishpond?

A



B

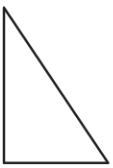
C



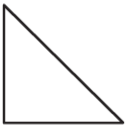
D

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

A

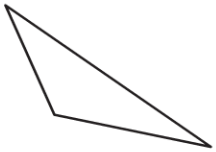


B



C

D



48. Jing read $\frac{1}{2}$ of his book on Saturday and $\frac{2}{3}$ of his book on Sunday. Which number is a common denominator for $\frac{1}{2}$ and $\frac{2}{3}$?

A 1

B 4

C 6

D 10

49. Tami needs $\frac{3}{4}$ gallon of paint. Which fraction is equivalent to $\frac{3}{4}$?

A $\frac{3}{16}$

B $\frac{9}{16}$

C $\frac{9}{12}$

D $\frac{6}{4}$

50. Nori bought $\frac{2}{3}$ pound of chicken salad and $\frac{3}{4}$ pound of tuna salad for a picnic. Which statement correctly compares the fractions?

A $\frac{2}{3} > \frac{3}{4}$

B $\frac{3}{4} > \frac{2}{3}$

C $\frac{2}{3} = \frac{3}{4}$

D $\frac{3}{4} < \frac{2}{3}$