Choose the correct answer.

1. Mark's computer weighs 35.769 pounds. What is the weight of his computer rounded to the nearest hundredth?

A 36.77 pounds

B 36.0 pounds

C 35.8 pounds

D 35.77 pounds

2. The mall is 4.72 kilometers from Julie's house and 1.83 kilometers from Taylor's house. How much farther does Julie live from the mall than Taylor?

A 3.8 kilometers

B 2.89 kilometers

C 2.8 kilometers

D 1.89 kilometers

3. Roberto's puppy weighed 4.5 pounds at the end of May. During June and July, the puppy gained 18.63 pounds. How much did Roberto's puppy weigh at the end of July?

A 19.08 pounds

B 22.08 pounds

C 22.13 pounds

D 23.13 pounds

4. Cory and Mike are playing a number pattern game. Cory wrote the following pattern.

32.8, 31.5, 30.2, ____, 27.6

What is the unknown number in the pattern Cory wrote?

A 30.0

B 29.9

C 28.9

D 27.9

5. Francine used her computer for $2\frac{1}{8}$ hours Tuesday evening and for $2\frac{1}{4}$ hours on Wednesday evening. Which is the best estimate of the time Francine used her computer on Tuesday and Wednesday evenings?

A about $\frac{1}{4}$ hour

B about 3 hours

C about 4 hours

D about 5 hours

GO ON

6. Marvin has a piece of chain that is $3\frac{5}{12}$ feet long. He uses $2\frac{1}{3}$ feet of the chain for his art project. How much chain does Marvin have left?

A $1\frac{1}{12}$ feet

B $1\frac{2}{12}$ feet

C $2\frac{1}{12}$ feet

D $2\frac{2}{12}$ feet

7. David has 3 bags of groceries weighing a total of $25\frac{1}{2}$ pounds. Two of the bags weigh $7\frac{5}{8}$ pounds and $4\frac{3}{4}$ pounds. How much does the third bag weigh?

A $20\frac{6}{8}$ pounds

B $17\frac{7}{8}$ pounds

C $13\frac{1}{8}$ pounds

D $12\frac{2}{8}$ pounds

8. Yolanda hiked each day for a week. The first day she hiked $\frac{1}{5}$ mile, the second day she hiked $\frac{3}{5}$ mile, and the third day she hiked 1 mile. By how much did she increase the distance she hiked each day?

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

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

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

D $\frac{1}{2}$ mile

9. A cookie recipe calls for $\frac{5}{8}$ cup of flour and $\frac{5}{6}$ cup of sugar. What is the least common denominator of the fractions?

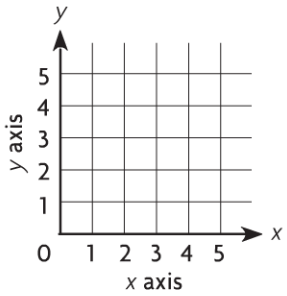
A 6

B 12

C 18

D 24

10. On a coordinate grid, Anne's house is located 4 blocks to the right and 3 blocks up from (0, 0). Dan's house is located 2 blocks to the left and 1 block up from Anne's house. What ordered pair describes the location of Dan's house?



A (2, 4)

B (2, 2)

C (2, 3)

D (4, 2)

GO ON

11. What is the unknown number in Sequence 2 in the chart?

Sequence Number	1	2	3	6	8
Sequence 1	6	12	18	36	48
Sequence 2	12	24	36	72	?

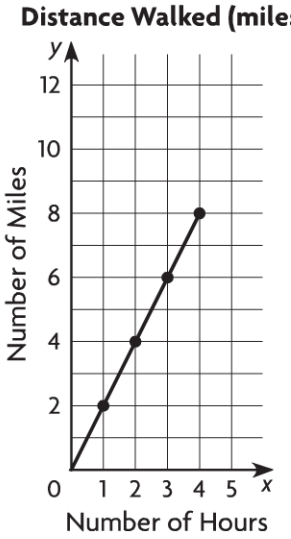
A 80

B 84

C 96

D 108

12. The graph shows the relationship between the number of hours and the number of miles walked.



What rule relates the number of hours to the number of miles walked?

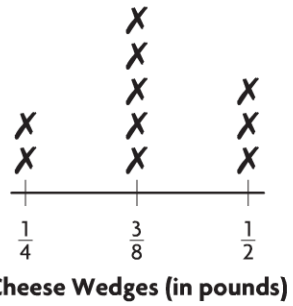
A Multiply the number of hours by $\frac{1}{2}$.

B Multiply the number of miles walked by 2.

C Multiply the number of hours by $2\frac{1}{2}$.

D Multiply the number of hours by 2.

13. Mark is cutting a large cheese wheel into small wedges to sell in his store. The line plot shows the weight of the small wedges of cheese.



How many wedges of cheese will be less than $\frac{1}{2}$ pound?

A 5

B 7

C 8

D 10

14. Maria is buying a digital camera on layaway for $193. If she makes a down payment of $25 and pays $24 each week, how many weeks will it take Maria to pay for the digital camera?

A 7

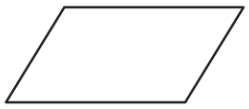
B 8

C 10

D 12

GO ON

15. Tony drew a picture of his vegetable garden.



What type of quadrilateral is Tony's vegetable garden?

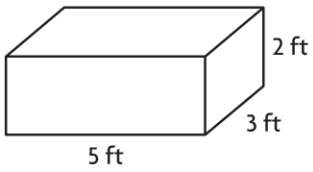
A rectangle

B rhombus

C parallelogram

D trapezoid

16. Jared made a storage bin with the dimensions shown.



What is the volume of the storage bin?

A 6 cubic feet

B 10 cubic feet

C 15 cubic feet

D 30 cubic feet

17. The bricks used to make the walkway leading to the town hall are shaped like regular pentagons. Which of the following describes a regular pentagon?

A a figure with 5 sides and 5 angles that are not congruent

B a figure with 5 congruent sides and 5 congruent angles

C a figure with 6 congruent sides and 6 congruent angles

D a figure with 6 sides that are not congruent

18. A recycling bin in the shape of a rectangular prism has a volume of 9,720 cubic inches. The base area of the recycling bin is 324 square inches. What is the height of the recycling bin?

A 10 inches

B 15 inches

C 30 inches

D 36 inches

19. A restaurant uses 32 potatoes for each batch of potato soup it makes. About how many batches of potato soup can the restaurant make from its last shipment of 1,275 potatoes?

A 30

B 40

C 45

D 50

GO ON

20. The music teacher has a list of 128 students who have signed up for music classes. The music teacher can register 6 students in each class. What is the **least** number of classes needed for all the students to be registered in a class?

A 20

B 21

C 22

D 24

21. The number of red beads Sheila has is four times as many as the number of green beads she has. There are 75 red and green beads. How many red beads does Sheila have?

A 60

B 50

C 20

D 15

22. The owner of a toy store received a shipment of 1,552 party favors. The party favors came in 28 boxes. The same number of party favors were in 27 of the boxes. How many party favors were in the last box?

A 3

B 6

C 13

D 23

23. Carlos uses 32 tiles to cover the top of his computer desk. Of the tiles, $\frac{3}{4}$ are red. How many of the tiles are red?

A 26

B 24

C 12

D 8

24. Noreen worked $3\frac{1}{3}$ hours on her math project. Donald worked $1\frac{1}{5}$ times as long on his math project as Noreen did. For how many hours did Donald work on his math project?

A $4\frac{1}{3}$ hours

B 4 hours

C $4\frac{1}{2}$ hours

D 5 hours

25. Rhianna had $\frac{3}{4}$ quart of orange juice. She drank $\frac{1}{3}$ of it at breakfast. How much orange juice did Rhianna drink?

A $\frac{1}{8}$ quart

B $\frac{1}{4}$ quart

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

D $\frac{1}{2}$ quart

GO ON

26. Jeremy had 36 community concert tickets to sell. He sold $\frac{2}{3}$ of the tickets. How many tickets did Jeremy sell?

A 12

B 18

C 24

D 30

27. Jamie made $8\frac{1}{4}$ cups of fruit punch for a party. Her guests drank $\frac{2}{3}$ of the punch. How much fruit punch did her guests drink?

A $5\frac{1}{4}$ cups

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

C $6\frac{1}{4}$ cups

D $6\frac{1}{2}$ cups

28. Annette is stacking boxes in her closet. There are 15 boxes in all. If each box weighs 7.5 pounds, how much do the boxes weigh altogether?

A 11.25 pounds

B 21.25 pounds

C 112.5 pounds

D 1,125 pounds

29. The instruction booklet for a CD player says that the player uses about 0.2 kilowatt of electricity per hour. If electricity costs $0.30 per kilowatt hour, how much does it cost to run the player for an hour?

A $60.00

B $6.00

C $0.60

D $0.06

30. Terry was doing research for a report about the longest rivers in the United States. He read that the Rio Grande is about 1.9×10^3 miles long. How should Terry write the length of the Rio Grande in standard form on his report?

A 19 miles

B 190 miles

C 1,900 miles

D 19,000 miles

GO ON

31. Ethan's favorite kind of exercise is running. He runs on a path that is 1.75 miles long. Last week, Ethan ran on the path 6 times. How many miles did Ethan run on the path last week?

A 0.105 mile

B 1.05 miles

C 10.5 miles

D 105 miles

32. There is $\frac{1}{2}$ pound of meatloaf that will be shared equally among 3 friends. What fraction of a pound of meatloaf will each friend get?

A $\frac{2}{3}$ pound

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

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

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

33. At lunch, 6 friends share 4 pizzas equally. What fraction of a pizza does each friend get?

A $\frac{1}{3}$

B $\frac{1}{2}$

C $\frac{2}{3}$

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

34. Lucas has $\frac{2}{3}$ quart of milk. He pours the same amount into each of 3 glasses. Which equation represents the fraction of a quart of milk n that is in each glass?

A $\frac{2}{3} \div \frac{1}{3} = n$

B $\frac{2}{3} \div 3 = n$

C $3 \div \frac{2}{3} = n$

D $2 \div 3 = n$

35. Mia evaluates $5 \div \frac{1}{6}$ by using a related multiplication expression. Which multiplication expression should she use?

A 5×6

B $\frac{1}{5} \times \frac{1}{6}$

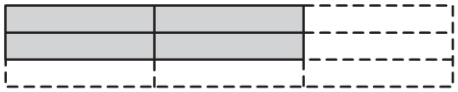
C $\frac{1}{5} \times 6$

D $5 \times \frac{1}{6}$

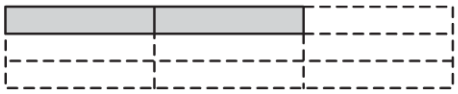
GO ON

36. Matthew made lasagna for dinner. He gave equal portions of $\frac{2}{3}$ of the lasagna to 3 friends. What diagram could Matthew use to find the fraction of the whole lasagna that each friend got?

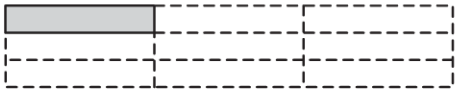
A



B



C



D

37. Tami rode her bicycle 22.5 miles in 4 hours. Which gives the **best** estimate of how far Tami rode in 1 hour?

A between 4 and 5 miles

B between 5 and 6 miles

C between 6 and 7 miles

D between 7 and 8 miles

38. Yoshi is riding in a bike-a-thon to raise money for his favorite charity. The total distance of the bike-a-thon is 28.5 miles. So far he has completed $\frac{1}{10}$ of the bike-a-thon. How many miles has Yoshi biked?

A 0.285 mile

B 2.85 miles

C 28.5 miles

D 285 miles

39. Teresa has a piece of ribbon that is 24.8 yards long. The length is just enough ribbon to wrap 8 packages. How long is the ribbon that she uses for each package?

A 3.5 yards

B 3.2 yards

C 3.1 yards

D 3.01 yards

40. Diego bought cookies that cost $0.89 per pound. He paid $4.45 for the cookies. How many pounds of cookies did he buy?

A 50 pounds

B 5 pounds

C 0.5 pound

D 0.05 pound

GO ON

41. Kate spent a total of $15.45 on a trip to the movies. She spent $5.00 on bus fares to and from the movie and $3.95 on snacks. How much did she spend on her movie ticket?

A $5.50

B $6.05

C $6.50

D $7.50

42. A national park reports that it had 2,382,476 visitors last year. What is the value of the digit 8 in 2,382,476?

A 8,000

B 80,000

C 800,000

D 8,000,000

43. Ricky just received a shipment of 600 CDs for his music store. Each CD costs $20. Which of the following could Ricky use to find the total amount he will pay for the CDs?

A $(6 \times 2) \times 10^1 = 120$

B $(6 \times 2) \times 10^2 = 1{,}200$

C $(6 \times 2) \times 10^3 = 12{,}000$

D $(6 \times 2) \times 10^4 = 120{,}000$

44. A truck driver travels 385 miles every day. How many miles does he travel in 6 days?

A 1,310 miles

B 2,210 miles

C 2,310 miles

D 2,410 miles

45. Jasmine and her brother Nat are saving to buy a digital camera that costs $135. Jasmine earns $15 per week for babysitting and spends $5 of it. Nat earns $18 per week for walking dogs and spends $7 of it. Which expression can be used to find how many weeks it will take to save for the digital camera?

A $135 \div [(15 + 5) - (18 - 7)]$

B $135 \div [(15 + 5) - (18 + 7)]$

C $135 \div [(15 - 5) + (18 + 7)]$

D $135 \div [(15 - 5) + (18 - 7)]$

GO ON

46. Joanne has 96 beads to make necklaces. She uses an equal number of beads to make each of 8 necklaces. Which multiplication sentence could Joanne use to find the number of beads in each necklace?

A $8 \times 12 = 96$

B $96 \times 8 = 12$

C $8 \times 96 = 768$

D $6 \times 96 = 576$

47. Sofia's room is 14 feet long. How many inches are in 14 feet?

A 42 inches

B 168 inches

C 178 inches

D 1,780 inches

48. Mr. Richards had 6,000 pounds of top soil delivered to his house. How many tons is 6,000 pounds?

A 2 tons

B 3 tons

C 4 tons

D 6 tons

49. The play started at 8:15 P.M. and ended at 10:42 P.M. How long did the play last?

A 2 hours 27 minutes

B 2 hours 37 minutes

C 3 hours 27 minutes

D 3 hours 37 minutes

50. Adam used 4.25 meters of wood trim to make picture frames. How many centimeters of wood trim did he use?

A 0.425 centimeter

B 4.25 centimeters

C 42.5 centimeters

D 425 centimeters