

1. $3,373 + 168 =$

- A. 3,205
- B. 3,431
- C. 3,541
- D. 5,053

2. $72,052 + 7,206 + 961 =$

- A. 79,258
- B. 80,219
- C. 88,868
- D. 89,169

3. $34 \times 926 =$

- A. 6,482
- B. 20,264
- C. 31,484
- D. 39,818

4. $5 \overline{)107} =$

- A. 21 R2
- B. 22 R2
- C. 201 R2
- D. 210 R2

5. $456 \times 701 =$

- A. 10,515
- B. 219,656
- C. 319,656
- D. 2,843,256

6. $15 \times 333 \times 801 =$

- A. 1,149
- B. 4,995
- C. 5,796
- D. 4,000,995

7. $624 \div 146 =$

- A. 4
- B. 4 R40
- C. 4 R140
- D. 5

8. $5.3094 + 6.8243 =$

- A. 11.1237
- B. 11.1337
- C. 12.1237
- D. 12.1337

9.
$$\begin{array}{r} 0.3 \\ 0.7 \\ + 0.4 \end{array}$$

- A. 0.14
- B. 1.04
- C. 1.4
- D. 10.4

10.
$$\begin{array}{r} 0.84 \\ - 0.36 \end{array}$$

- A. 0.48
- B. 1.20
- C. 4.8
- D. 12.0

11. $7.686 - 1.342 =$

- A. 0.344
- B. 6.344
- C. 6.444
- D. 9.028

12. $10.944 \div 0.32 =$

- A. 34
- B. 34.2
- C. 64
- D. 164



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13.



$\frac{2}{10}$ ○ $\frac{1}{3}$

- A. $\frac{2}{10} > \frac{1}{3}$
- B. $\frac{2}{10} < \frac{1}{3}$
- C. $\frac{2}{10} = \frac{1}{3}$
- D. none of the above

14.



$\frac{2}{4}$ ○ $\frac{2}{3}$

- A. $\frac{2}{4} > \frac{2}{3}$
- B. $\frac{2}{4} < \frac{2}{3}$
- C. $\frac{2}{4} = \frac{2}{3}$
- D. none of the above

15. $\frac{6}{10} + \frac{3}{10} =$

- A. $\frac{20}{9}$
- B. $\frac{9}{20}$
- C. $\frac{9}{10}$
- D. $\frac{10}{9}$

16. $\frac{2}{5} + \frac{4}{5} =$

- A. $\frac{6}{25}$
- B. $\frac{2}{5}$
- C. $\frac{5}{6}$
- D. $\frac{6}{5}$

17. $\frac{7}{10} - \frac{3}{10} =$

- A. $\frac{4}{20}$
- B. $\frac{4}{10}$
- C. $\frac{10}{20}$
- D. $\frac{20}{10}$

18. $3 \div \frac{1}{2} =$

- A. $\frac{3}{2}$
- B. 3
- C. $\frac{7}{2}$
- D. 6

19. $4 - 2\frac{7}{8} =$

- A. $\frac{1}{8}$
- B. $1\frac{1}{8}$
- C. $2\frac{1}{8}$
- D. $6\frac{7}{8}$

20. $0.515 \times 0.02 =$

- A. 0.0103
- B. 0.1030
- C. 1.0300
- D. 103

21. $3\frac{1}{2} \div \frac{1}{4} =$

- A. $\frac{7}{8}$
- B. 13
- C. $13\frac{1}{2}$
- D. 14

Go on to the next page.



5 x 6

22. Simplify.

$$8 + 11\left(3 - \frac{1}{2}\right)$$

- A. $19\frac{1}{2}$
- B. $27\frac{1}{2}$
- C. $35\frac{1}{2}$
- D. $42\frac{1}{2}$

23. $4^2 =$

- A. 2
- B. 6
- C. 8
- D. 16

24. $2\frac{4}{7} \times 6\frac{2}{3} =$

- A. $12\frac{8}{21}$
- B. $12\frac{10}{26}$
- C. $13\frac{5}{21}$
- D. $17\frac{3}{21}$

25. $7^3 =$

- A. 10
- B. 21
- C. 343
- D. 2,187

26. Simplify.

$$(8 - y) + 4$$

- A. $-y + 4$
- B. $-y + 12$
- C. $-4y + 8$
- D. $-4y + 32$

27. If $2(x + 4) = 14$, then $x =$

- A. 3
- B. 5
- C. 10
- D. 11

28. If $8(n - 5) = 27$, then $n =$

- A. $2\frac{3}{4}$
- B. 4
- C. $8\frac{3}{8}$
- D. 67

29. If $(9a - 2a) + 6 = 27$, then $a =$

- A. 3
- B. 4.91
- C. 7
- D. 21

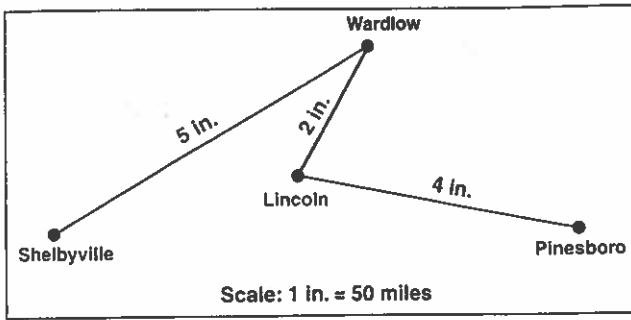
30. If $2(3y - 4) - 5 = 7y + 25 - (4y + 8)$, then $y =$

- A. -6
- B. $6\frac{2}{3}$
- C. 10
- D. $11\frac{2}{3}$



IF YOU FINISH BEFORE TIME IS UP, YOU MAY CHECK YOUR WORK IN THIS SECTION ONLY.
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1. How far is Wardlow from Shelbyville?

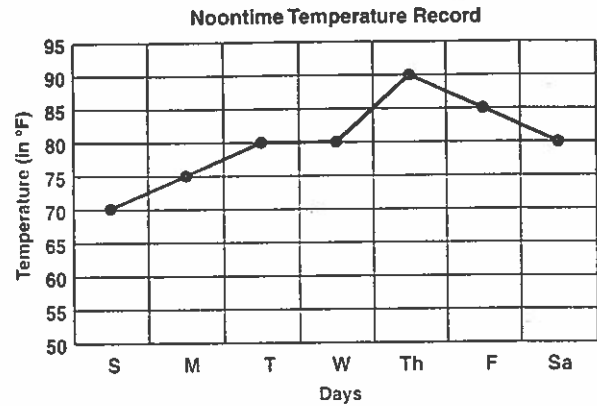


- A. 50 miles
 - B. 200 miles
 - C. 250 miles
 - D. 300 miles
2. Which is the correct estimate for the height of a refrigerator?
- A. 6 centimeters
 - B. 6 inches
 - C. 6 feet
 - D. 6 yards
3. Estimate the height of an average front door to a house.
- A. 2 feet
 - B. 7 feet
 - C. 12 feet
 - D. 20 feet
4. A fire engine's fuel tank can hold about 1,100 _____ of gasoline.
- A. liters
 - B. pounds
 - C. ounces
 - D. milliliters

5. Carlos is 2 meters tall. How tall is he in centimeters?

- A. 2
- B. 20
- C. 200
- D. 2,000

6. The graph below shows the noontime temperature reading at Bluffdale Airport seven days in a row.



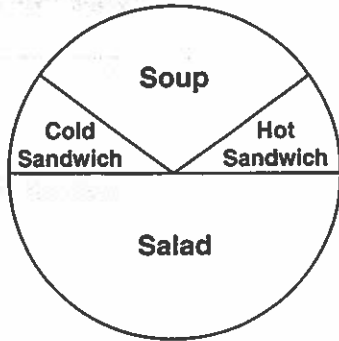
Which is a true statement about this graph?

- A. Friday was the warmest day.
- B. Monday was cooler than Sunday.
- C. The temperature went up each day.
- D. The temperature was the same for three days.

Go on to the next page.

5x6

7. Workers at Camden Bank were asked to name their favorite lunch.

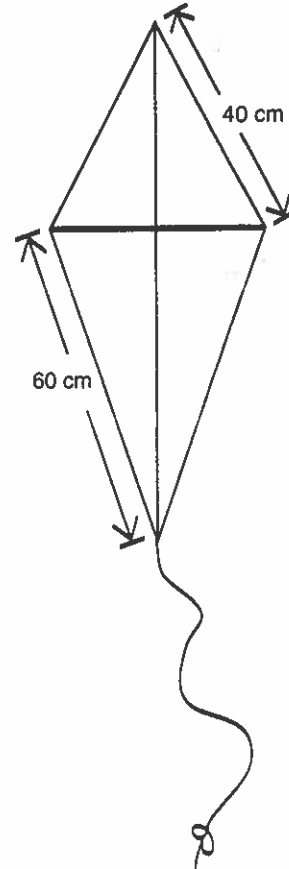


Which lunch was the favorite of about 30% of the group?

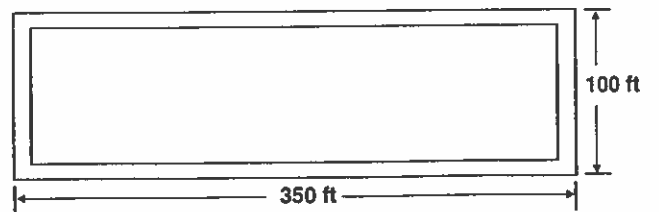
- A. soup
 - B. salad
 - C. hot sandwich
 - D. cold sandwich
8. Julie wants to put a fence around the pond in her garden. The rectangular pond is 11 feet long and 3 feet wide. How many feet of fence does Julie need?
- A. 14
 - B. 22
 - C. 28
 - D. 33

9. What is the perimeter of this kite?

- A. 20 centimeters
- B. 100 centimeters
- C. 200 centimeters
- D. 2,400 centimeters



10. The rectangle below shows a walking path around Jenn's neighborhood.



If Jenn walked around the neighborhood twice, how far did she walk?

- A. 700 feet
- B. 900 feet
- C. 1,800 feet
- D. 3,500 feet

Go on to the next page.

11. Marie needs to make 14 sandwiches for a picnic. Each sandwich uses 2 slices of bread. Her loaf of bread has 32 slices. If Marie makes the 14 sandwiches, how many slices of bread will be left? How can this problem be solved?

- A. Divide, then add.
- B. Multiply, then add.
- C. Divide, then subtract.
- D. Multiply, then subtract.

12. Cassandra can fold 12 napkins in 3 minutes. How many napkins can she fold in 5 minutes at this rate?

- A. 10
- B. 14
- C. 20
- D. 24

13. Sidney earns money for doing his daily chores. The chart shows his earnings for last week.

Weekly Chore Earnings

Day	Total
1	\$15.26
2	\$12.41
3	\$6.73
4	\$9.46
5	\$14.97

If Sidney spends \$7.92, how much money will he have left?

- A. \$49.11
- B. \$50.91
- C. \$58.83
- D. \$66.75

14. Ashley wants to buy 13 packs of colored markers at \$1.39 per pack. If she gives the cashier \$20.00, how much change should she receive?

- A. \$1.03
- B. \$1.93
- C. \$2.00
- D. \$2.07

15. Eric earned \$32.00 for doing some chores around the house. He gave his sister \$7.00. He then went to the music store and bought 3 compact discs for \$5.50 each. How much money did Eric have left?

- A. \$8.50
- B. \$15.50
- C. \$19.50
- D. \$25.00

16. Sharon spent \$35.00 on a jacket, \$12.00 for lunch, and \$24.50 on new shoes. If she started with \$90.00, how much did she have left?

- A. \$18.50
- B. \$19.00
- C. \$71.50
- D. \$72.00

17. Alyssa made 72 brownies to sell at a bake sale. At the end of the sale, $\frac{1}{4}$ of the brownies were left. How many brownies were left?

- A. 18
- B. 54
- C. 76
- D. 144



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18. Mike ate $\frac{1}{2}$ of a banana for a snack. If he ate another $\frac{1}{4}$ of the banana later in the day, how much of the banana was left?
- A. none
B. $\frac{1}{4}$
C. $\frac{1}{2}$
D. $\frac{3}{4}$
19. Jamie put $\frac{1}{6}$ of a package of chocolate chips into her cookie mix. If Brianna used three times the amount of chocolate chips that Jamie used, what amount did Brianna use?
- A. $\frac{1}{6}$ of the package
B. $\frac{1}{3}$ of the package
C. $\frac{1}{2}$ of the package
D. $\frac{2}{3}$ of the package
20. Miguel is making pudding. The recipe yields 6 servings and calls for $2\frac{1}{2}$ cups of milk. How many cups of milk will Miguel need for 18 servings of pudding?
- A. 3
B. $5\frac{1}{2}$
C. $7\frac{1}{2}$
D. 15
21. The regular price of a compact disc at Larry's Music Store is \$14.99. The store is having a sale of 10% off its merchandise. How much will a compact disc cost during the sale (not including tax)?
- A. \$1.50
B. \$13.49
C. \$14.84
D. \$14.89
22. Mr. Raymond, a music teacher, wants to know how many boys and girls are in his marching band. There are 2 girls for every 3 boys. If there are 75 boys in the marching band, how many girls are there?
- A. 25
B. 50
C. 100
D. 125
23. During a period of cold weather in Minnesota, the temperature on Monday was 18° F. The temperature dropped 22 degrees on Tuesday. On Wednesday it went up 7 degrees and then increased another 12 degrees on Thursday. What was the temperature on Thursday?
- A. -22° F
B. 1° F
C. 15° F
D. 59° F
24. Alfonso sees an \$18.00 shirt with a 5% discount. How much will the discounted shirt cost (not including tax)?
- A. \$9.00
B. \$17.10
C. \$17.50
D. \$18.90
25. Sandy is making cupcakes with frosting for a birthday party. She decides to put chocolate frosting on 10% of her cupcakes. If she puts chocolate frosting on 20 cupcakes, how many cupcakes altogether will Sandy make?
- A. 2
B. 20
C. 200
D. 2,000

5x6

26. Devan checked the thermometer outside his window before going to bed. The temperature was 3° F. During the night, he woke up and saw that the temperature had dropped 17 degrees. At noon, Devan noticed that the temperature had risen 21 degrees. What was the temperature at noon?
- A. 4° F
B. 7° F
C. 24° F
D. 41° F
27. At Techno Computers, Scott earns $2\frac{1}{2}\%$ commission on his total monthly sales. Last month he sold \$62,650 in merchandise. How much commission did he make?
- A. \$156.56
B. \$1,566.25
C. \$15,662.50
D. \$156,625.00
28. A baked potato has 25 units of Vitamin A. Nutritionists say most people should take 5,000 units of Vitamin A daily. What percentage of the daily recommended amount of Vitamin A does a baked potato have?
- A. 0.005%
B. 0.05%
C. 0.5%
D. 5%
29. At the Junior Olympics, Jacob ran the 500-yard dash in 80 seconds. Juan's time for the same distance was t seconds less than Jacob's. Which expression would accurately calculate Juan's time?
- A. $80 + t$
B. $80 - t$
C. $t - 80$
D. $80 \div t$
30. Nick has twice as many CDs (compact discs) as Adam. Adam has 32 CDs. Which equation will determine how many CDs, d , Nick has?
- A. $d = 2 \times 32$
B. $2d = 32$
C. $d = 32 + 2$
D. $d + 2 = 32$



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