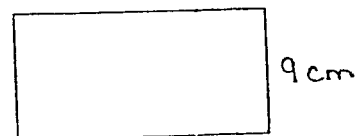


SEB MATH TEAM TOURNAMENT 1991

1.  $43,207 - 24,955 =$   
 A. 18,315  
 B. 18,247  
 C. 18,252  
 D. 21,752

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2.  $3 + 36 \div 6 =$   
 A. 6.5  
 B. 4  
 C. 9  
 D. 6
3. What is the remainder when 2634 is divided by 58?  
 A. 45  
 B. 24  
 C. 0  
 D. 58
4. Find the next number in the series 1, 3, 7, 15, ...  
 A. 17  
 B. 23  
 C. 31  
 D. 35
5. The digit 6 in 1.24658 means  
 A. 6 hundred  
 B. 6 hundredths  
 C. 6 thousandths  
 D. 6 ten-thousandths
6. Round 326.974 to the nearest tenth.  
 A. 330  
 B. 327.0  
 C. 326.97  
 D. Answer Not Given
7. George bought a suit for \$150. The sales tax is 7%. What is the total cost of the suit after the tax is added.  
 A. 10.50  
 B. 150.70  
 C. 160.50  
 D. 1050.00
8. 806 thousand 26 is written as  
 A. 80,626  
 B. 806,260  
 C. 806,026  
 D. 806,000,026
9. Find the area of a rectangle with length 14 cm and width 9 cm.  
 A. 46 sq. cm.  
 B. 196 sq. cm.  
 C. 126 sq. cm.  
 D. 277 sq. cm.



10. Find the decimal for  $3\frac{1}{4}$ .

- A. 3.14
- B. 3.20
- C. 3.25
- D. Answer Not Given

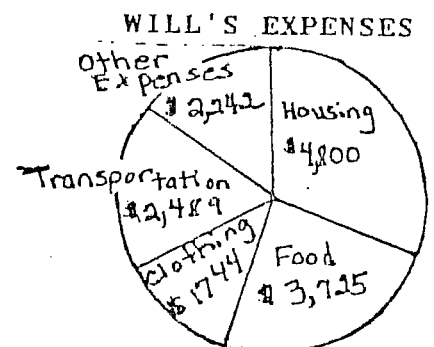
11.  $\frac{2}{5} \times \frac{7}{10} =$

- A.  $\frac{4}{7}$
- B.  $1\frac{2}{5}$
- C.  $\frac{7}{25}$
- D. Answer Not Given

12.  $4 + -8 =$

- A. -4
- B. -12
- C. 12
- D. 32

13. Which shows Will's Expenses in increasing order?



- A. clothing, housing, food, transportation, other expenses
- B. housing, food, transportation, other expenses, clothing
- C. housing, clothing, food, transportation, other expenses
- D. clothing, other expenses, transportation, food, housing

14. 2,000 people started the Fun City Marathon run. Of these, 947 finished. How many runners dropped out of the race?

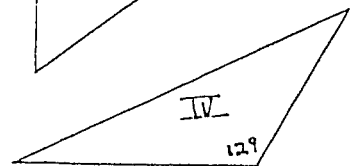
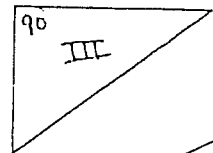
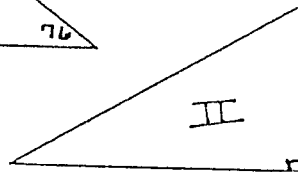
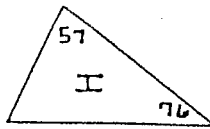
- A. 947
- B. 1053
- C. 2000
- D. 2947

15. The Tolman family wants to get to the campground at 3:30 p.m. The trip from home takes 4 hr. 45 min. When should they leave home?

- A. 8:15 a.m.
- B. 10:45 a.m.
- C. 12:00 noon
- D. 10:45 p.m.

16. 5 yellow balls, 12 green balls, and 7 black balls were put in a bag. What is the probability that a black ball will be picked?
- A.  $\frac{5}{24}$
- B.  $\frac{12}{24}$
- C.  $\frac{7}{24}$
- D.  $\frac{7}{17}$
17. There are 4 quarts of milk in a gallon. Kevin has 10 quarts of milk. How many gallons does he have?
- A. 2
- B. 4
- C. 8
- D. 40
18. Lee bought pens for \$3.68 and paper for \$1.54. She gave the salesperson \$10. How much change should Lee get back?
- A. \$4.00
- B. \$4.78
- C. \$5.22
- D. \$15.22
19. One truck went 854 km. A second truck went 117 km less than the first. What was the total distance the trucks traveled?
- A. 1591 km
- B. 971 km
- C. 737 km
- D. Answer Not Given

20. Use these pictures to answer the question below.  
The obtuse triangle in the picture is
- A. I
- B. II
- C. III
- D. IV



21.  $-7 \times -9$  is
- A. 2
- B. -16
- C. -63
- D. 63

22. Solve  $3x - 14 = 40$
- A. 8
- B. 18
- C. 162
- D. Answer Not Given

23. The decimal for 3% is

- A. .3
- B. .03
- C. 3
- D. 3.0

24. 20% of 30 is

- A. 6
- B. 60
- C. 600
- D. Answer Not Given

25.  $\frac{4}{5}$  as a percent is \_\_\_\_.

- A. 45%
- B. 80%
- C. .80%
- D. 125%

26.  $\frac{5}{6} - \frac{3}{5} =$

- A. 2
- B.  $\frac{1}{15}$
- C.  $\frac{7}{30}$
- D. Answer Not Given

27. Each small plane can carry 126 people. Each large plane can carry 246 people. How many people in all can be carried by 5 small planes and 3 large planes?

- A. 2,976 people
- B. 1,368 people
- C. 380 people
- D. Answer Not Given

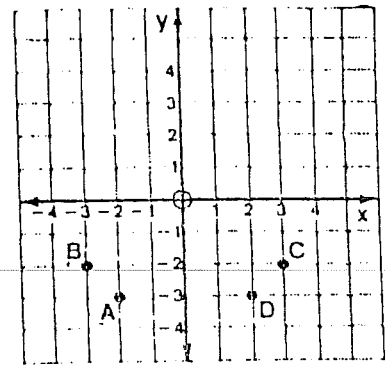
28. The volume of baby food in a jar is most likely

- A. 4 fluid ounces
- B. 4 cups
- C. 4 pints
- D. 4 quarts

29. When 7 is added to the result of dividing a number by 5, the sum is 10. The number is

- A. 22
- B. 15
- C. -2
- D. Answer Not Given

30. Which point is named by  $(-3, -2)$
- A. A
  - B. B
  - C. C
  - D. D



Ex. 30

31. The mean (average) of this set of data is

4, 10, 10, 3, 8

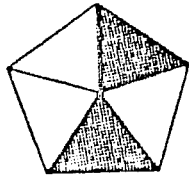
- A. 8
  - B. 35
  - C. 10
  - D. Answer Not Given
32. How many whole numbers are divisors of 12?
- A. two
  - B. three
  - C. four
  - D. six
33.  $2.97 \times 4.13$  is most nearly equal to
- A. 120
  - B. 12
  - C. 1.2
  - D. 0.12
34. In the picture graph, each fish represents 2,000 pounds of fish caught. What is the total number of pounds of fish represented?



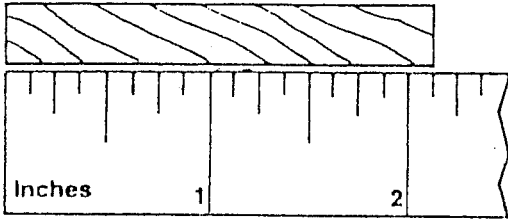
- A. 12,000
  - B. 11,000
  - C. 10,500
  - D. 10,250
35. Which unit of measure should be used to express the length of a gymnasium?
- A. meter
  - B. centimeter
  - C. kilometer
  - D. millimeter
36. What is the least common multiple of 8 and 16?
- A. 2
  - B. 8
  - C. 16
  - D. 48

37. Which fraction represents the shaded portion?

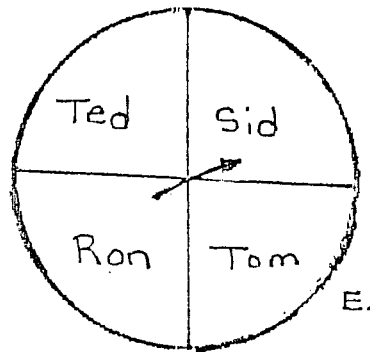
- A.  $\frac{1}{5}$
- B.  $\frac{2}{5}$
- C.  $\frac{3}{5}$
- D.  $\frac{4}{5}$



38. What is the length of the piece of wood shown in the drawing?



- A. 1 in.
- B.  $2\frac{1}{8}$  in.
- C.  $2\frac{1}{2}$  in.
- D.  $2\frac{3}{4}$  in.



Ex. 39

39. Ted, Tom, Sid, and Ron each wrote his name in a space on a spinner. What is the probability that the arrow will point to a space labeled with a name that begins with the letter "T"?

- A. 1
- B.  $\frac{1}{2}$
- C.  $\frac{2}{4}$
- D. 0

40. The graph shows the average depth, in feet, of six lakes. How much deeper is White Lake than Carp Lake?

- A. 10 ft.
- B. 35 ft.
- C. 25 ft.
- D. 30 ft.

