

SEB MATH TEAM TOURNAMENT 1993

1.  $43,147 - 23,369 =$

- A. 20,778
- B. 19,778
- C. 20,222
- D. 19,222

2.  $.35 \times .35 =$

- A. .1225
- B. 1.225
- C. 12.25
- D. 1

3. The decimal for 4.5% is

- A. 45
- B. 4.5
- C. .45
- D. .045

4.  $5 + 4 \times (6 + 2) =$

- A. 31
- B. 37
- C. 51
- D. 72

5. 20% of 80 =

- A. 8
- B. 12
- C. 16
- D. 20

6.  $\frac{7}{20}$  as a percent is

- A. 14%
- B. 27%
- C. 35%
- D. 42%

7.  $\frac{1}{3} + \frac{2}{5} =$

- A.  $\frac{3}{8}$
- B.  $\frac{3}{5}$
- C.  $\frac{7}{15}$
- D.  $\frac{11}{15}$

8.  $3\frac{2}{3} - \frac{4}{5} =$

- A.  $2\frac{2}{15}$
- B.  $2\frac{13}{15}$
- C.  $3\frac{2}{15}$
- D.  $3\frac{13}{15}$

9.  $-7 \times -6 =$

- A. 42
- B. -42
- C. 13
- D. -13

10.  $-7 + 18 =$

- A. 11
- B. -11
- C. 25
- D. -25

11.  $\frac{2}{3} \times \frac{21}{26} =$

- A.  $\frac{24}{29}$
- B.  $\frac{19}{23}$
- C.  $\frac{7}{13}$
- D.  $\frac{3}{5}$

√ 12. What is the quotient when 3679 is divided by 7?

- A. 4
- B. 0
- C. 515
- D. 525

13. The next number in the series 1, 2, 4, 7, ... is

- A. 7
- B. 9
- C. 11
- D. 14

14. Round 2679.6979 to the nearest thousandths.

- A. 3000
- B. 2679.70
- C. 2679.698
- D. 2679.697

15. The decimal for  $3\frac{7}{8}$  is

- A. 3.875
- B. 3.78
- C. 3.87
- D. 3.378

16. Solve  $4x - 6 = 22$

- A. 4
- B. 5
- C. 6
- D. 7

17. If  $x = 6$ , what is  $3x - 2x + 8$ ?

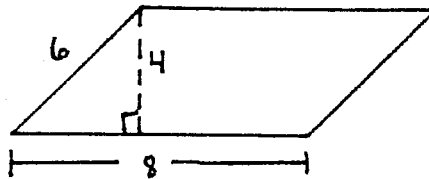
- A. 9
- B. 14
- C. 18
- D. Answer not given

18. If it is 2:00 p.m. right now, what time was it 32 hours ago?
- A. 10 a.m.
  - B. 10 p.m.
  - C. 6 a.m.
  - D. 6 p.m.

19. What is the average of 11, 14, 29, and 34?
- A. 16
  - B. 18
  - C. 22
  - D. 26

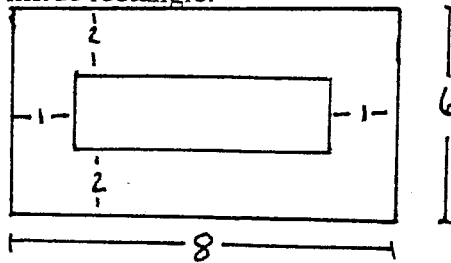
20. Find the area of the parallelogram.

- A. 16
- B. 24
- C. 32
- D. 48



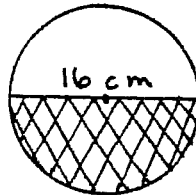
- ✓ 21. Find the perimeter of the inside rectangle.

- A. 10
- B. 16
- C. 22
- D. 28



22. What is the area of the shaded part of the circle?

- A.  $16\pi \text{ cm}^2$
- B.  $32\pi \text{ cm}^2$
- C.  $64\pi \text{ cm}^2$
- D.  $32\pi \text{ cm}$



23. If plums cost 4 for \$.84 and bananas 3 for \$.99, which of the following cost the least?
- A. 2 bananas and 3 plums
  - B. 4 bananas and 1 plum
  - C. 3 bananas and 2 plums
  - D. 2 bananas and 5 plums

- ✓ 24. There are 50 students in a class.  $\frac{1}{5}$  of those students got sick and went home.  $\frac{1}{5}$  of the students who got sick came back to school later that day. How many students are in class at the end of the day?
- A. 12
  - B. 48
  - C. 10
  - D. 42

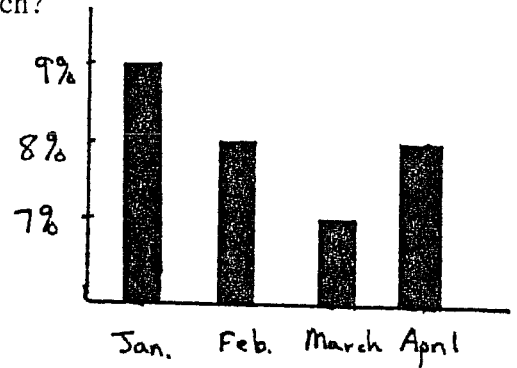
25. A supermarket is selling eggs for \$1.00 per dozen, not including tax. A man went to the supermarket and wanted 3 eggs. The supermarket agreed to sell him just 3 eggs. How much would he have to pay (not including tax) if the price per egg was the same, no matter how many he bought?
- \$ .25
  - \$ .33
  - \$ .20
  - \$ .30
26. How many factors does 36 have?
- 7
  - 8
  - 9
  - 10
- ✓ 27. What is the median of 37, 43, 36, 44, 49?
- 36
  - 43
  - 44
  - 37
28. Mr. Giles bought a scarf for \$10.99 and a tie for \$7.56. He gave the clerk \$50. How much change did he get?
- \$32.55
  - \$30.55
  - \$31.45
  - \$32.45
29. In a class of 14 girls and 16 boys, what is the probability that the teacher will call on a girl to answer the next question?
- $\frac{7}{8}$
  - $\frac{8}{7}$
  - $\frac{7}{15}$
  - $\frac{8}{15}$
30. 
$$\begin{array}{r} 18 \text{ wk} \\ - 5 \text{ wk } 4 \text{ d} \\ \hline \end{array}$$
- 13 wk 4 d
  - 12 wk 4 d
  - 13 wk 3 d
  - 12 wk 3 d
31. The length of a ball-point pen is about
- 14 dm
  - 14 cm
  - 14 mm
  - 14 m
32. Which of the following is in increasing order?
- .001 .010 .101 .110
  - .001 .101 .010 .110
  - .110 .101 .010 .001
  - .110 .010 .101 .001

33. If Sally has 8 quarters, 4 dimes, 11 nickels, and 22 pennies, how much money will she have after eating lunch at school for \$.75?

- A. \$2.88
- B. \$2.58
- C. \$2.48
- D. Answer not given

34. How much did the interest rate drop from Jan. to March?

- A. 1%
- B. 2%
- C. 3%
- D. 4%



35. What is the least common multiple of 6 and 9?

- A. 3
- B. 6
- C. 12
- D. 18

36. Two angles in a triangle measure  $30^\circ$  and  $100^\circ$ . What is the measure of the third angle?

- A.  $230^\circ$
- B.  $115^\circ$
- C.  $50^\circ$
- D.  $40^\circ$

37.  $\frac{1}{3} \times \frac{3}{5} \div \frac{5}{6} =$

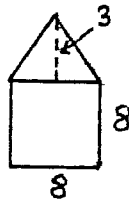
- A.  $\frac{1}{6}$
- B.  $\frac{6}{25}$
- C.  $\frac{15}{90}$
- D. Answer not given

✓ 38. Subtract 15 from 5.

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

39. Find the total area.

- A. 96
- B. 76
- C. 192
- D. 43



40. The amount of water in a bathtub should be measured in

- A. grams
- B. kilograms
- C. liters
- D. meters

