Basic Skills Lest


B

1. Choose another name for: $\$ 105.38$
A. Ten thousand five hundred thirty-eight dollars.
B. One hundred five dollars and thirty-eight cents.
C. One hundred fifty dollars and thirty-eight cents.
D. Fifteen dollars and thirty-eight cents
E ?
2. ADD: 397

468
$+245$
A. 1,100
B. 1,000
C. 91,920
D. 1,110
E. ?
3. ADD: $\$ 575.95+\$ 129.95=$

A. $\quad \$ 705.90$
B. $\$ 446.90$
C. $\$ 454.00$
D. $\$ 695.80$
E. ?
6. MULTIPLY: 78
$\qquad$
A. 4,286
4. SUBTRACT: $\$ 530.00$

- 468.75
A. $\quad \$ 171.25$
B. $\$ 31.25$
C. $\$ 61.25$
D. $\$ 71.25$
E. ?

5. SUBTRACT:

$$
\begin{aligned}
& \text { JBTRACT: } \\
& 29,836-15,016=\square
\end{aligned}
$$

A. 14,826
B. 4,820
C. 4,840
D. 14,820
E. ?
B. 5,226
C. 1,014
D. 4,386
E. ?
7. MULTIPLY: $472 \times 396=\square$
A. 186,912
B. 196,902
C. 187.812
D. 197,012
E. ?
8. DIVIDE: $9 \longdiv { 4 9 6 }$
A. 10 r 6
B. 50 r 6
C. 55 rl
D. 66 rl
E. ?
9. DIVIDE: $3 7 \longdiv { 2 , 3 6 8 }$
A. 74
B. 704
C. 64
D. 604
E. ?
10. DIVIDE: $9 8 \longdiv { 7 , 8 8 6 }$
A. 91 r 3
B. 8 r 6
C. 8 r 46
D. 80 r 46
E. ?
11. Choose another name for $\frac{7}{8}$.
A. $\frac{24}{28}$
B. $\frac{21}{24}$
C. $\frac{14}{18}$
D. $\frac{10}{11}$
E. ?
12. Rename $\frac{24}{36}$ in simplest form
(lowest term)
A. $\frac{1}{2}$
B. $\frac{3}{4}$
C. $1 \frac{1}{2}$
D. $\frac{2}{3}$
E. ?
13. Choose a common denominator for $\frac{5}{6}$ and $\frac{1}{4}$.
A. 12
B. 6
C. 2
D. 10
E. ?
14. Choose the symbol that makes the sentence true. $\frac{5}{6} \bigcirc \frac{7}{9}$
A. $\quad<$
B. $>$
C. $=$
D. $\oint$
E. ?
15. Choose another name for $\frac{37}{8}$.
A. $\frac{8}{37}$
B. $4 \frac{5}{37}$
C. $4 \frac{1}{8}$
D. $4 \frac{5}{8}$
E. ?
17. SUBTRACT: $10 \frac{5}{12}-4 \frac{5}{12}=\square$
A. $6 \frac{5}{12}$
B. $6 \frac{10}{12}$
C. 6
D. $6 \frac{1}{12}$
E. ?
18. $\mathrm{ADD}: 5 \frac{2}{3}+2 \frac{1}{4}=\square$
A. $7 \frac{11}{12}$
B. $7 \frac{3}{7}$
C. $3 \frac{1}{4}$
D. $7 \frac{3}{12}$
E. ?
19. ADD:(Rename in simplest form)
A. $11 \frac{5}{8} \quad 7 \frac{3}{5}+4 \frac{2}{3}=\square$
B. $12 \frac{4}{15}$
C. $11 \frac{19}{15}$
D. $11 \frac{1}{2}$
E. ?
20. SUBTRACT: $8 \frac{1}{7}-5 \frac{2}{3}=\square$
A. $3 \frac{11}{21}$
B. $2 \frac{1}{21}$
C. $2 \frac{10}{21}$
D. $3 \frac{10}{21}$
E. ?
21. MULTIPLY: (Rename in simplest

$$
\text { form) } \frac{6}{7} \times \frac{1}{3}=\square
$$

A. $\frac{2}{7}$
B. $\frac{7}{10}$
C. $2 \frac{4}{7}$
D. $\frac{3}{7}$
E. ?
22. MULTIPLY: (Rename in simplest form) $4 \frac{2}{7} \times 2 \frac{4}{5}=\square$
A. $8 \frac{8}{35}$
B. $1 \frac{26}{49}$
C. 12
D. $\frac{1}{12}$
E. ?
23. MULTIPLY: (Rename in simplest form) $\frac{3}{4} \times 8=\square$
A. $\frac{3}{32}$
B. $\frac{24}{32}$
C. $\frac{1}{6}$
D. 6
E. ?
24. DIVIDE: (Rename in simplest form) $\frac{5}{8} \div \frac{3}{4}=\square$
A. $\frac{15}{32}$
B. $\frac{5}{6}$
C. $\frac{2}{3}$
D. $\frac{1}{4}$
E. ?
25. DIVIDE: (Rename in simplest form) $1 \frac{2}{3} \div 3 \frac{5}{6}=\square$
A. $2 \frac{3}{10}$
B. $\frac{10}{23}$
C. $6 \frac{7}{18}$
D. $\frac{4}{5}$
E. ?
26. DIVIDE: (Rename in simplest

$$
\text { form) } \frac{5}{6} \div 5=\square
$$

A. $4 \frac{1}{6}$
B. 6
C. $\frac{1}{6}$
D. $\frac{6}{25}$
E. ?
27. Choose the symbol that makes the sentence true. 4.73 4.703
A. $>$
B. $<$
C. $=$
D. $\oint$
E. ?
28. Choose another name for $2 \frac{3}{4}$.
A. 2.34
B. 2.43
C. 2.7
D. 2.75
E. ?
29. ADD: $4.3+6+.091+17.72=$

A. 22.711
B. 28.111
C. $\quad 19.12$
D. 12.982
E. ?
30. SUBTRACT: $35-14.96=\square$
A. 21.96
B. 14.61
C. 14.29
D. 20.04
E. ?
31. MULTIPLY: $\$ 18.95 \times .4=$

A. $\quad \$ 75.80$
B. $\$ 758.00$
C. $\$ 7,580.00$
D. $\$ 7.58$
E. ?
34. FIND: $60 \%$ of $600=$

A. 10
B. 36
C. 360
D. 540
E. ?
35. Find the simple interest on $\$ 2,000$ borrowed for one year at $10 \%$.
A. $\$ 20,000.00$
B. $\$ 200.00$
C. $\$ 20.00$
D. $\$ 2.00$
E. ?
A. 20 m
B. 24 m
C. 56 m
D. 18 m
E. ?

37. Find the length of the paper clip.
A. $4 \frac{1}{4}$ inches
B. $1 \frac{1}{4}$ inches
C. $1 \frac{1}{2}$ inches

D 3 inches
E. ?

38. Find the area of the rectangle.
A. $\quad 228$ sq. ft .

12 ft .
B. 31 sq. ft.
C. $\quad 62$ sq. ft.

19 ft .
D. $\quad 114$ sq. ft.
E. ?

39. Choose the correct answer.
A. 24 inches
B. 1 inch
C. 144 inches

12 feet $=$ $\qquad$ inches
D. 36 inches
E. ?
40. Choose the correct answer.
A. 41 oz .
B. 83 oz .
$3 \mathrm{lb} .5 \mathrm{oz} .=$ $\qquad$ oz.
C. 53 oz .
D. 35 oz .
E. ?
41. Choose the correct answer.
A. $\quad 9 \mathrm{gal} .1 \mathrm{qt}$.
B. 4 gal. 3 qts.

19 qts. $=$ $\qquad$ gal. $\qquad$ qts.
C. 2 gal. 3 qts.
D. 3 gal. 4 qts.
E. ?
42. Choose the correct answer.
A. $\quad 11$ hrs. 2 min .
B. 2 hrs .

112 min. $=$ $\qquad$ hrs. $\qquad$ min.
C. 1 hr .12 min .
D. 1 hr .52 min .
E. ?
43. Choose the correct answer.
A. 6
B. $13 \frac{1}{2}$
C. $9 \frac{2}{3}$

Linda is making a 9-layer birthday cake. She needs $\frac{2}{3}$ of a pound of sugar for each layer of frosting. How
D. $8 \frac{1}{3}$ many pounds of sugar does she need?
E. ?
44. Choose the correct answer.
A. 18
B. 6
C. 16

Jim is $\frac{3}{4}$ as old as hid brother. If Jim is 12 years
old, how old is his brother?
D. 9
E. ?
45. Choose the correct answer.
A. $\frac{14}{15}$
B. $\frac{1}{15}$
C. $\frac{1}{5}$

Elton Garrett Junior High School has 750 students. Last Monday, 50 students were absent. What fractional part of the student body was present?
D. $\frac{13}{14}$
E. ?
46. Choose the correct answer.
A. $\quad \$ 32.00$
B. $\$ 28.56$
C. $\$ 20.23$

During the aluminum can drive Scout Troup \#320 collected 2,856 cans. If they received $\$ .17$ per pound and it took 24 cans to make a pound, how much money did they receive?
D. $\$ 7.00$
E. ?
47. Use the table below to answer the following problem.
A. Buffalo

Which city has the greatest difference in temperature for June and December?
B. Las Vegas
C. San Francisco
D. Honolulu
E. ?

| City | Average Temperature <br> June | Average Temperature <br> December |
| :---: | :---: | :---: |
| Buffalo | $73^{\circ}$ | $30^{\circ}$ |
| Las Vegas | $95^{\circ}$ | $60^{\circ}$ |
| San Francisco | $57^{\circ}$ | $51^{\circ}$ |
| Honolulu | $78^{\circ}$ | $74^{\circ}$ |

48. Use the circle graph below to answer the following problem.
A. $10 \%$

What percent of the points scored were made by Bobby and Steve combined?
B. $15 \%$
C. $25 \%$
D. $50 \%$
E. ?


## Frank Jim

49. Choose the best estimate for the following problems.
A. $\$ 5,200$
B. $\$ 1,300$
C. $\$ 7,800$

The regular price of a truck is $\$ 6,530$. During a sale, it is advertised at a discount of $20 \%$. ESTIMATE the amount of discount on the truck.
D. $\$ 2,000$
E. ?
50. Choose the best estimate for the following problem.
A. $\quad \$ 60.00$
B. $\$ 30.00$
C. $\$ 80.00$

The regular price of a coat is $\$ 89.25$. During a sale, it is advertised at $\frac{1}{3}$ off. ESTIMATE the sale price of the coat.
D. $\$ 70.00$
E. ?
51. Choose the set that shows fractions ordered from least to greatest.
A. $\left\{\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{7}{10}\right\}$
B. $\left\{\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{7}{10}\right\}$
C. $\left\{\frac{1}{2}, \frac{2}{3}, \frac{7}{10}, \frac{3}{4}\right\}$
D. $\left\{\frac{7}{10}, \frac{3}{4}, \frac{2}{3}, \frac{1}{2}\right\}$
E. ?
52. Choose the additive inverse of $-\frac{3}{4}$.
A. $-\frac{4}{3}$
B. $\frac{4}{3}$
C. $-\frac{3}{4}$
D. $\frac{3}{4}$
E. ?
53. Choose the number whose prime factorization is $5^{2} \cdot 3^{2} \cdot 2$.
A. 120
B. 450
C. 180
D. 30
E. ?
54. Choose the number that is written in scientific notation.
A. $93 \times 10$
B. $\quad 9.3 \times 10$
C. $\quad 9.3 \times 10^{10}$
D. $.93 \times 10$
E. ?
55. Choose .000075 written in scientific notation.
A. $\quad 7.5 \times 10^{-5}$
B. $75 \times 10^{-6}$
C. $\quad 7.5 \times 10$
D. $75 \times 10^{6}$
E. ?
56. Solve: $-|8|$
A. 8
B. $\frac{1}{8}$
C. $\quad-8$
D. $\sqrt{8}$
E. ?
57. Solve: $\quad-\sqrt{\frac{9}{100}}$
A. $-\frac{3}{10}$
B. $\frac{3}{10}$
C. $-\frac{9}{100}$
D. $\frac{9}{100}$
E. ?
60. Solve: $150 \%$ of $\qquad$ $=75$
A. 50
B. 300
C. $112 \frac{1}{2}$
D. 200
E. ?
58. Solve: $160 \%$ of $80=\square$
A. 168
61. Solve: $8.5 \%$ of $60=\square$
A. 510
B. 5.1
C. 78
D. 68.5
E. ?
59. Solve: $66 \frac{2}{3} \%$ of $186=\square$
A. 248
B. 31
C. 124
D. 62
E. ?
62. Solve for $\mathrm{x}: \underline{\mathrm{x}} \%$ of $600=480$
A. $\frac{4}{5}$
B. 125
C. 120
D. 80
E. ?
63. $\mathrm{ADD}: \quad{ }^{-} 13+{ }^{-} 7+12=\square$
A. $\quad{ }^{-} 18$
B. 18
C. 42
D. $\quad-42$
E. ?
64. SUBTRACT: ${ }^{-} 11-^{-} 13=$

A. $\quad{ }^{-} 24$
B. 24
C. 2
D. $\quad-2$
E. ?
66. DIVIDE: $\frac{-175}{-7}$
A. $\quad-12$
B. 25
C. $\quad-252$
D. 168
E. ?
67. ADD :
A. 5.883
B. 4.56
C. 6.177
D. $\quad-4.56$
E. ?
68. SUBTRACT: $4 \frac{1}{8}-{ }^{-} 2 \frac{3}{5}=\square$
A. $2 \frac{2}{3}$
B. $1 \frac{21}{40}$
C. $6 \frac{29}{40}$
D. $-1 \frac{21}{40}$
E. ?

75. FIND:
A. $\quad-5$
B. 5 $\qquad$ $\div-5={ }^{-} 25$
C. $\quad{ }^{-} 125$
D. 125
E. ?
76. Choose the pair of similar triangles.
A.)

B.)

77. Find the length of side a.
$\left(a^{2}+b^{2}=c^{2}\right)$
A. 3
B. 27
C. 9
D. 81
E. ?
a

78. Given $\Delta \mathrm{RST} \sim \Delta \mathrm{XYZ}$, find the length of YZ .
A. 9 cm
B. 10 cm
C. 15 cm
D. 4 cm
E. ?

79. Solve the following problem.
A. 170 inches
B. $8 \frac{1}{2}$ inches
C. 17 inches

On a map, $\frac{1}{2}$ inch represents 5 miles.
Find the number of inches representing 85 miles.
D. 17 miles
E. ?
80. Solve the following problem.
A. $\quad 16 \mathrm{ft}^{2}$.
B. $\quad 144 \mathrm{ft}^{2}$.
C. $\quad 36 \mathrm{ft}^{2}$.

4 sq. yd . $=$ $\qquad$ sq. ft.
D. $12 \mathrm{ft}^{2}$.
E. ?
81. Find the perimeter of the polygon.
A. $\quad 44 \mathrm{~m}$
B. 22 m
C. 88 m
D. 127 m
E. ?

82. Find the area of trapezoid WXYZ. $A=\frac{1}{2} h(a+b)$
A. $\quad 80 \mathrm{~cm}^{2}$
B. $120 \mathrm{~cm}^{2}$
C. $\quad 130 \mathrm{~cm}^{2}$
D. $\quad 180 \mathrm{~cm}^{2}$
E. ?

83. Find the volume of the rectangle prism.
A. $\quad 52 \mathrm{ft}^{3}$.
B. $85 \mathrm{ft}^{3}$.
C. $\quad 117 \mathrm{ft}^{3}$
D. $\quad 260 \mathrm{ft}^{3}$.
E. ?

84. Find the area of the circle. $\mathrm{A}=\mathrm{r}^{2} \quad=\frac{22}{7}$
A. $\quad 66 \mathrm{~m}^{2}$
B. $1,386 \mathrm{~m}^{2}$
C. $5,544 \mathrm{~m}^{2}$
D. $132 \mathrm{~m}^{2}$
E. ?

85. Find the circumference of the circle
$\mathrm{C}=\mathrm{d}$ $=3.14$
A. $\quad 23.15$
B. $\quad 62.80$
C. 6,280
D. 2,314
E. ?

86. Find the surface area of this rectangular solid.
A. $\quad 210 \mathrm{ft}^{2}$.
B. $\quad 172 \mathrm{ft}^{2}$.
C. $\quad 242 \mathrm{ft}^{2}$.
D. $\quad 121 \mathrm{ft}^{2}$.
E. ?

3 ft .

87. Find the total surface area of the cylinder.

$$
\mathrm{A}=2 \quad \mathrm{rh}+2 \quad \mathrm{r}^{2}
$$

3.14
A. $\quad 1,884 \mathrm{~cm}^{2}$
B. $1,381.6 \mathrm{~cm}^{2}$
C. $1,256 \mathrm{~cm}^{2}$
D. $628 \mathrm{~cm}^{2}$
E. ?

88. Choose the best estimate for the following problem.
A. $\quad \$ 3.00$
B. $\$ 16.00$

George bought a belt for $\$ 7.49$; a shirt for
B. $\$ 16.00$ $\$ 6.49$; and two pair of socks for $98 \phi$ each. How much change did he receive from $\$ 20.00$ ?
C. $\quad \$ 5.00$
D. $\$ 4.00$
E. ?
89. Choose the best estimate for the following problem.
A. 6 inches

A rope 58.7 inches long is cut into 5 pieces, all the same length. How long is each piece?
B. 12 inches
C. 10 inches
D. 60 inches
E. ?
90. Choose the best estimate for the following problem.
A. 200
B. 1,200

Approximately $\frac{1}{8}$ of the students at Highland Park Jr. High School ride the bus to school. If there are
C. 300 1,543 students, how many walk to school?
D. 1,300
E. ?
91. Solve the following problem.
A. 30 gallons
B. $\quad 67.5$ gallons

John drove 38 miles, 62 miles, 113 miles, and 57 miles. His car gets 30 miles per gallon of gas. How much gas did he use?
C. 240 gallons
D. 9 gallons
E. ?
92. Solve the following problem.

A $\quad \$ 72.00$
B. $\$ 51.00$
C. $\$ 24.00$
D. $\$ 30.00$
E. ?

The student council earns $30 \%$ of the sales from the magazine drive. Mr. Hicks' home room sold the following subscriptions: 7 at $\$ 5.00$ each; 3 at $\$ 7.00$ each; 5 at $\$ 7.50$ each; and 9 at $\$ 8.50$ each. How much money did the student council earn from these sales?
93. Solve the following problem.
A. $\quad \$ 7.20$
B. $\$ 4.50$

Sam can buy 12 cans of corn for $\$ 3.00$.
How much will 20 cans cost?
C. $\$ 15.00$
D. $\$ 5.00$
E. ?
94. Solve the following problem.
A. $\quad \$ 82.50$
B. $\$ 30.80$

Linda bought 3 dresses at $\$ 27.50$ each.
The sales tax is $4 \%$. Find the total price
Linda paid for the dresses.
C. $\$ 85.80$
D. $\$ 80.85$
E. ?
95. Solve the following problem.
A. 24
B. 23

How many books $11 / 2$ inch wide can be placed on a shelf measuring 35 inches?
C. 52
D. 53
E. ?
96. Solve the following problem.
A. 10 hours
B. 5 hours
C. 3 hours
D. 7 hours

During an average day Alice spends $\frac{1}{4}$ of her time at school, $\frac{1}{12}$ of her time eating meals, $\frac{1}{24}$ doing
homework, and $\frac{1}{8}$ of the time at play. How many
hours are spent at school and on homework combined?
E. ?
97. Solve the following problem.

ELECTION RESULTS
A total of 1,200 students voted in the student council elections. How many votes did the winner receive?
A. 240
B. 480
C. 300
D. 180

E. ?
98. Use the circle graph to answer the following problem.

> NEVADA’S
> $\underline{\text { BUDGET }}$

The state of Nevada's budget is $\$ 150$ million a year. How much more money is spent on education than on highways?
A. $\quad \$ 15$ million
B. $\$ 45$ million
C. $\$ 30$ million
D. $\$ 10$ million
E. ?

99. Use the double-bar graph to answer the following problem.

> OTHER
_LAW ENFORCEMENT
Which student's score shows the least amount of increase from 1977 to 1978 ?
A. Jackie
B. Mike
C. Gary
D. George
E. ?

100. Use the bar graph to answer the following problem.

Find the number of boys under $5^{\prime} 4^{\prime \prime}$.
A. 25
B. 17
C. 9
D. 15
E. ?


END OF TEST

