Kennebec Learning Center

AccuPlacer Arithmetic Practice Test 2

1. Which of the following is the same as $33\frac{1}{3}\%$ of 90

   A) $180 \div 3$ B) $180 \div 60$ C) $180 \div 9$ D) $180 \div 6$

2. Subtract $4.7 - 0.355$

   A) 3.345   B) 4.345   C) 4.545   D) 3.445

3. A teacher has assigned 162 pages of reading.   If Lisa starts reading on Tuesday and reads 54 pages each day, on what day will she complete the assignment?

   A) Wednesday   B) Thursday   C) Saturday   D) Sunday

4. A box of chocolates has 24 pieces.   If 6 pieces of chocolates without nuts in them, what percent are with nuts?

   A) 75%   B) 25%   C) 65%   D) 35%

5. Divide and simplify: $441 \div 5\frac{1}{4}$

   A) 84   B) 48   C) 418   D) 148

6. Subtract: $35\frac{1}{4} - 18\frac{3}{5}$

   A) $13\frac{17}{20}$ B) $17\frac{7}{20}$ C) $16\frac{13}{20}$ D) $15\frac{6}{30}$

7. Divide: $234 \div 0.06$

   A) 3900   B) 9.3   C) 3.9   D) 139

8. Multiply: 0.048×9.09 (Rounded)

   A) 1.4363   B) 0.5363   C) 0.4363   D) 0.3363

9. A stock clerk had 600 pads on hand. He then issued $\frac{3}{8}$ of his supply of pads to Division X, $\frac{1}{4}$ to Division Y, and $\frac{1}{6}$ to Division Z. The number of pads remaining in stock is

   A) 48   B) 125   C) 240   D) 475

10. An officer's weekly salary is increased from $200 to $225. The percent of increase is

    A) 10%   B) 12%   C) 12.5%   D) 13.5%

11. Add and simplify: $16\dfrac{3}{5} + 21\dfrac{4}{7} + 1\dfrac{8}{10}$

    A) $40\dfrac{3}{4}$ B) $38\dfrac{61}{70}$ C) $39\dfrac{29}{70}$ D) $39\dfrac{34}{35}$

12. Write in order from least to greatest: (I) 0.674   (II) 0.34   (III) 0.97

    A) I, II, III   B) II, I, III   C) III, II, I   D) None of these

13. Covert to decimals. Round to the nearest ten-thousandths : $66\dfrac{1}{6}\%$

    A) 0.6617   B) 0.6717   C) 0.6670   D) 0.6620

14. Solve $5^2 + 2\,(7 - 2) = 5x + 10$
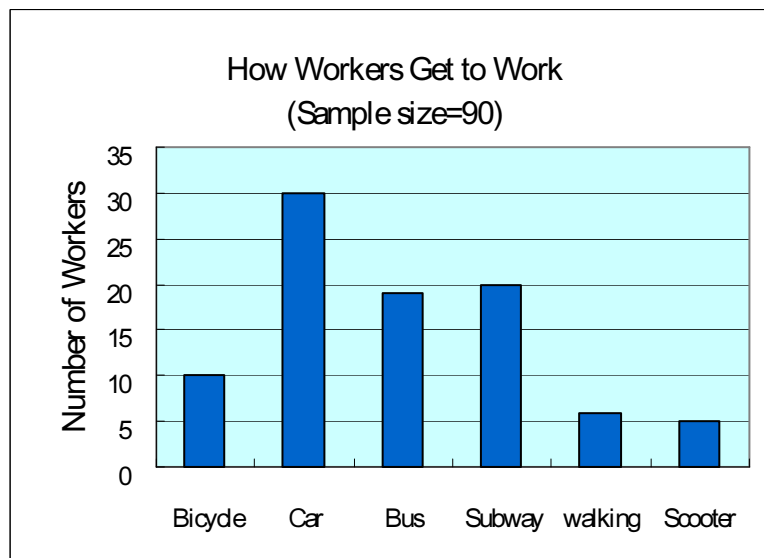
    A) 50   B) 500   C) 5   D) 15

15. Bob borrowed $1500 to buy a computer. He will repay the loan in 12 installments of $134.70 each. How much interest will he pay on the loan ?

    A) $ 116.40   B) $ 1164   C) $11.64   D) $64.11

16. Multiply $ 1.04 by $8\dfrac{1}{4}$

    A) $6.44   B) $7.39   C) $8.58   D) $9.46

The bar graph shows the results of a survey asking workers in New York to tell what means of transportations they use to work. Base on the graph below to answer question 17, 18, and 19.

How Workers Get to Work
(Sample size=90)

17. What percent of all the workers surveyed said that they take a car to work?

    A) 30%   B) 33%   C) 35%   D) 37%

18. What percent of all the workers surveyed said that they take a scooter to work?

    A) 0.056%   B) 5%   C) 5.6%   D) 15%

19. What percent of all the workers surveyed said that they take the subway to work?

    A) 22%   B) 0.22%   C) 2.2%   D) 20%

20. In a local poll of 108 shoppers, 2 out of every 8 said they prefer skim milk to whole milk. Which proportion can be used to find the number of shoppers who said they prefer skim milk?

    A) $\dfrac{2}{10} = \dfrac{x}{108}$ B) $\dfrac{2}{8} = \dfrac{108}{x}$ C) $\dfrac{8}{10} = \dfrac{108}{x}$ D) $\dfrac{2}{8} = \dfrac{x}{108}$

21. Solve: $x + 8 = \dfrac{3}{4}x + 32$

    A) 9.6   B) 96   C) 9.25   D) 90

22. Six gross (1 gross = 12 dozen) of special drawing pencils were purchased for using in a city department. If the pencils were used at the rate of 24 a week, the maximum number of weeks that six gross of pencils would last be

    A) 6 weeks   B) 12 weeks   C) 24 weeks   D) 36 weeks

23. If change is made of three dollars in nickels and dimes, giving twice as many nickels as dimes. It will consist of

    A) $1.50 in nickels and $1.50 in dimes

    B) $1.00 in nickels and $2.00 in dimes

    C) $2.00 in nickels and $1.00 in dimes

    D) $1.80 in nickels and$1.20 in dimes.

24. It is estimated that 10 workers can do a certain job in 10 hours. If only 5 workers are available the job will probably take

    A) 5 hours   B) 10 hours   C) 15 hours   D) 20 hours

25. The length of time from 8: 23 AM to 2:53 PM is

    A) 6 hours and 16 minutes

    B) 6 hours and 30minutes

    C) 7 hours and 16 minutes

    D) None of these

        Created 2008 by Lichin Wei

Answer Key:

1. D
2. B
3. B
4. A
5. A
6. C
7. A
8. C
9. B
10. C
11. D
12. B
13. A
14. C
15. A
16. C
17. B
18. C
19. A
20. D
21. B
22. D
23. C
24. D
25. B