

Chapter 3 TECM 118 Practice Test

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write a word name for the given decimal notation.

1) 6.5

- A) Six and five thousandth(s)
C) Six and five tenth(s)

- B) Six and five hundredth(s)
D) Six and five millionth(s)

1) _____

2) 65.59

- A) Sixty-five and fifty-nine hundredths
C) Sixty-five and fifty-nine thousandths

- B) Sixty-five and fifty-nine tenths
D) Sixty-five and fifty-nine millionths

2) _____

Write a word name for the number in the sentence.

3) One gallon is equal to 3.7853 liters.

- A) Three and seven thousand eight hundred fifty-three ten-thousandths
B) Thirty seven thousand and eight hundred fifty-three hundredths
C) Thirty seven thousand and eight hundred fifty-three ten-thousandths
D) Three and seven thousand eight hundred fifty-three thousandths

3) _____

Write a word name for the decimal.

4) 4.00784

- A) four and seven hundred eighty-four millionths
B) four and seven hundred eighty-four hundred-thousandths
C) four and seven hundred eighty-four tenths
D) four and seven hundred eighty-four thousandths

4) _____

Find the sum.

5) $0.649 + 26$

A) 26.649

B) 26.759

C) 26.650

D) 26.639

5) _____

6) $65.461 + 36 + 4.61 + 15.28$

A) 121.351

B) 121.451

C) 121.361

D) 122.351

6) _____

Simplify the expression.

7) $8\left(\frac{1}{20} + 0.52\right) + 4\frac{9}{10} \cdot 5$

A) 25.42

B) 29.06

C) 18.92

D) 22.56

7) _____

Solve the problem.

8) The population of the country where Ken lives is $1\frac{1}{4}$ times the population of the country where he was born. The population of the country where he lives is approximately 50.0 million. What is the approximate population of the country where he was born?

A) 39.0 million

B) 40.0 million

C) 38.5 million

D) 41.5 million

8) _____

Multiply.

9)

$$\begin{array}{r} 180 \\ \times 0.44 \\ \hline \end{array}$$

A) 0.792

B) 792

C) 79.2

D) 7.92

9) _____

10) $\begin{array}{r} 15.21 \\ \times 0.0073 \\ \hline \end{array}$

A) 0.111033

B) 0.121033

C) 0.211033

D) 0.101033

10) _____

11) $\begin{array}{r} 0.0083 \\ \times 8.2 \\ \hline \end{array}$

A) 0.6806

B) 0.06806

C) 0.0006806

D) 0.006806

11) _____

12) $\begin{array}{r} 0.0055 \\ \times 0.06 \\ \hline \end{array}$

A) 0.0000033

B) 0.00033

C) 0.0033

D) 0.000033

12) _____

Divide.

13) $43 \overline{) 17.243}$

A) 0.401

B) 4.01

C) 1.401

D) 14.01

13) _____

14) $0.15 \div 0.01$

A) 1.5

B) 4

C) 15

D) 16

14) _____

15) $3.5 \div 0.005$

A) 7

B) 700

C) 0.7

D) 70

15) _____

16) $4.2 \overline{) 1678.9\overline{5}}$ Round to the nearest tenth.

A) 39.9

B) 40.0

C) 399.6

D) 399.7

16) _____

17) $0.28 \overline{) 5.886\overline{7}}$ Round to the nearest thousandth.

A) 2.102

B) 21.024

C) 21.06

D) 21.064

17) _____

Write as an equivalent decimal. If a repeating decimal is obtained, use notation such as $0.\overline{4}$, $0.\overline{23}$, or $0.\overline{567}$.

18) $\frac{15}{16}$

A) $0.9\overline{375}$

B) $0.9\overline{37\overline{5}}$

C) $0.9\overline{37\overline{5}}$

D) 0.9375

18) _____

Write the fraction as a decimal. Round to the nearest thousandth if necessary.

19) $\frac{29}{30}$

A) 0.967

B) 1.034

C) 0.097

D) 9.667

19) _____

Simplify the expression.

20) $126.3 \cdot \frac{2}{5} + 6.03 \div \frac{3}{4}$ 20) _____

A) 204.23

B) 210.12

C) 61.63

D) 58.56

21) $124.23 \div \frac{3}{5} + 59.94 \cdot \frac{1}{4}$ 21) _____

A) 218.155

B) 222.035

C) 66.7475

D) 76.999

Solve the problem.

22) An industrial saw cut 0.5 centimeters from a piece of steel $8\frac{3}{8}$ centimeters thick. How thick was the steel after the cut? Express your answer in decimal notation. 22) _____

steel after the cut? Express your answer in decimal notation.

A) 2.5 centimeters

B) 7.875 centimeters

C) 8.875 centimeters

D) 66.5 centimeters

23) Jake has a cable that is 43.2 feet long. He wants to cut it into pieces that are 5.4 feet long. How many 5.4-foot pieces will he get from the cable? 23) _____

A) 80 pieces

B) 9 pieces

C) 7 pieces

D) 8 pieces

24) Sue has taken four exams so far in her History course. His scores are 92.1, 78.2, 93, and 87.5. What is the average of these scores? 24) _____

A) 87.85

B) 89.9

C) 87.7

D) 86.3

Simplify by using the order of operations. Round your answer to the nearest hundredth, if necessary.

25) $0.6 + (3.55 + 0.45) \div 0.008 \cdot 0.6$ 25) _____

A) 300.6

B) 37.9

C) 833.933333

D) 345

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Answer Key

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