

Chapter 1 TECM 118 Practice Test

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

Fill in the digits for the given place values in the following whole number.

- 1) 1856 1) _____
thousands __
tens __
A) Thousands 8, tens 5 B) Thousands 1, tens 5
C) Thousands 8, tens 6 D) Thousands 1, tens 6

Add.

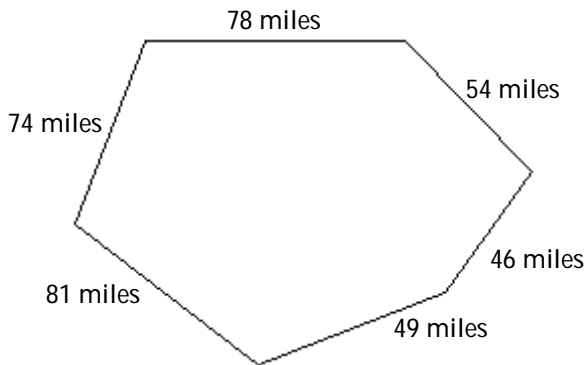
- 2)
$$\begin{array}{r} 685 \\ + 663 \\ \hline \end{array}$$
 2) _____
A) 1348 B) 1423 C) 1323 D) 1448

- 3)
$$\begin{array}{r} 67,433 \\ + 9120 \\ \hline \end{array}$$
 3) _____
A) 158,633 B) 75,553 C) 76,753 D) 76,553

- 4)
$$\begin{array}{r} 31,083 \\ 8708 \\ + 18,829 \\ \hline \end{array}$$
 4) _____
A) 58,720 B) 58,620 C) 59,720 D) 57,620

Find the perimeter of the figure.

- 5) The local park district acquired lands to be used for a new dog park. How many miles of fencing are needed to enclose the dog park? 5) _____



- A) 308 mi B) 402 mi C) 382 mi D) 460 mi

Subtract.

$$\begin{array}{r} 6) \quad 959 \\ \quad - 264 \\ \hline \end{array}$$

6) _____

A) 687

B) 1223

C) 695

D) 595

Subtract. Use borrowing, if necessary.

$$\begin{array}{r} 7) \quad 60,000 \\ \quad - 33,163 \\ \hline \end{array}$$

7) _____

A) 83,163

B) 26,837

C) 33,163

D) 90,167

Multiply.

$$\begin{array}{r} 8) \quad 62,439 \\ \times \quad 8 \\ \hline \end{array}$$

8) _____

A) 499,512

B) 499,502

C) 499,442

D) 499,612

$$\begin{array}{r} 9) \quad 530 \\ \times 492 \\ \hline \end{array}$$

9) _____

A) 260,860

B) 260,760

C) 260,750

D) 260,770

Divide. If there is a remainder, be sure to state it as part of your answer.

$$\begin{array}{r} 10) \quad 59 \overline{) 83,898} \\ \quad A) 1412 \end{array}$$

10) _____

B) 1422

C) 1427 R 23

D) 1432 R 31

Divide.

$$\begin{array}{r} 11) \quad 3234 \div 21 \\ \quad A) 155 \end{array}$$

11) _____

B) 155 R 11

C) 154

D) 154 R 12

Solve the problem.

12) The city bridge has 8 lanes, all carrying equal numbers of cars. If 416 cars drive across the bridge, how many cars cross in each lane?

12) _____

A) 424 cars

B) 52 cars

C) 60 cars

D) 53 cars

13) Pete is driving across country from Boston to Seattle. He keeps a record of the distance that he drives each day.

13) _____

Monday 463 miles
Tuesday 300 miles
Wednesday 287 miles
Thursday 286 miles
Friday 269 miles

How much further did he drive on Monday than on Friday?

A) 194 miles

B) 463 miles

C) 732 miles

D) 177 miles

- 14) The height of the tallest building in the town of Chorlton is 1101 feet. It is 142 feet taller than the second tallest building. What is the height of the second tallest building in Chorlton? 14) _____
- A) 1242 feet B) 959 feet C) 1243 feet D) 958 feet

- 15) Each box of matches contains 210 matches. Boxes of matches are shipped in cartons. Each carton contains 15 boxes of matches. How many matches are in each carton? 15) _____
- A) 315 matches per carton B) 225 matches per carton
C) 3150 matches per carton D) 14 matches per carton

- 16) A community garden contains 30 rectangular plots each measuring 6 yd by 9 yd. What is the total area available for gardening? 16) _____
- A) 1620 sq yd B) 1650 sq yd C) 900 sq yd D) 54 sq yd

Solve.

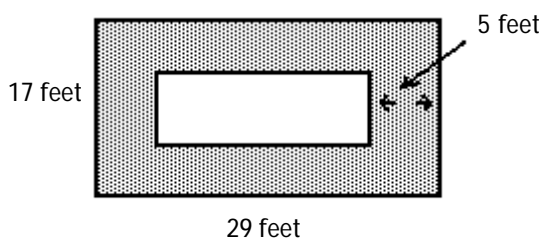
- 17) Amy teaches Chinese lessons for \$85 per student for a 6-week session. From one group of students, she collects \$3655. Find how many students are in the group. 17) _____
- A) 45 students B) 47 students C) 43 students D) 33 students

Evaluate.

- 18) $57(57 - 17)(57 - 12)(57 - 20)$ 18) _____
- A) 2,952,600 B) 3,431,400 C) 3,796,200 D) 4,411,800

Find the area of the shaded region.

- 19) 19) _____



- A) 360 square feet B) 473 square feet C) 468 square feet D) 350 square feet

Solve the problem.

- 20) A salesperson earned \$300 a week plus a bonus of \$22 for each service contract sold. What is the weekly pay if 6 service contracts were sold? 20) _____
- A) \$532 B) \$300 C) \$432 D) \$132

Simplify.

- 21) $12 \cdot 11 - (13 - 7) \div 3 - (7 - 10)$ 21) _____
- A) 113 B) 35 C) 45 D) 133

Solve the problem.

- 22) A travel agent arranged a payment plan for a client. It required a down payment of \$150 and 12 monthly payments of \$705. What was the total cost of the plan? 22) _____
- A) \$8610 B) \$8510 C) \$8460 D) \$8560

- 23) Jack borrowed \$590 from his brother. Jack's brother wants 9 monthly payments of \$80 to repay the loan. How much extra is Jack's brother charging for the loan? 23) _____
- A) \$50 B) \$820 C) \$720 D) \$130

Simplify.

- 24) $81 \div 3 + \{9 \times [18 - (2 \times 2)]\}$ 24) _____
- A) 156 B) 148 C) 153 D) 143

- 25) $5 \times (300 - 30 \div 5) - [3 \cdot 21 - (8 - 2 \cdot 3)]$ 25) _____
- A) 1359 B) -91 C) 1409 D) 3185

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Answer Key

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