

Name: Answer Key

Rotation 1 2 3

Topic 5 Practice Test

1. Label each of the following expressions as True or False:

False  $420 \div 60 = 70$

~~$420 \div 60 = 7$~~

False  $1,800 \div 60 = 300$

~~$1800 \div 60 = 30$~~

True  $5,400 \div 60 = 90$

~~$5400 \div 60 = 90$~~

True  $24,000 \div 60 = 400$

~~$24,000 \div 60 = 400$~~

2. The carnival committee has purchased 985 small prizes. The prizes are to be divided equally among the 20 game booths. How many prizes will each booth have? Will there be any prizes left over?

$$\begin{array}{r} 49 \text{ R}5 \\ 20 \overline{)985} \\ \underline{-80} \phantom{0} \\ 185 \\ \underline{-180} \\ 5 \end{array}$$

Each booth will have 49 prizes.

There will be 5 prizes left over.

3. Five Star Farm purchased 2,400 apple trees. If 80 trees can be planted on each acre of land, how many acres will be needed to plant all the trees?

$$80 \overline{)2400} \quad \text{or} \quad \underline{2400} \div \underline{80} = \underline{30}$$

30 acres will be needed to plant all of the trees.

4. Mrs. Reiss has 264 crayons for her art class of 22 students. How many crayons will each student get if the crayons are divided equally?

$$\begin{array}{r} 12 \\ 22 \overline{)264} \\ \underline{-22} \phantom{0} \\ 44 \\ \underline{-44} \\ 0 \end{array}$$

Each student will get 12 crayons.

5. Dan divided  $608 \div 16$ . In which place should he write the first digit of the quotient?

$$\begin{array}{r} \text{X} \\ 16 \overline{) 608} \end{array}$$

The first digit will go in the tens place.

6. The cost to rent a lodge for a family reunion is \$975. If 65 people attend and pay the same price, how much does each person pay?

- A \$16
- B \$15
- C \$14
- D \$13

$$\begin{array}{r} 15 \\ 65 \overline{) 975} \\ \underline{65} \phantom{0} \\ 325 \\ \underline{325} \\ 0 \end{array}$$

$$\begin{array}{r} 265 \\ 5 \\ \hline 325 \end{array}$$

7. Shady Rivers summer camp has 188 campers this week. If there are 22 campers to each cabin, what is the fewest number of cabins needed?

- A 7 cabins
- B 8 cabins
- C 9 cabins
- D 10 cabins

$$\begin{array}{r} 8 \\ 22 \overline{) 188} \\ \underline{176} \\ 12 \end{array}$$

$$\begin{array}{r} 22 \\ 9 \\ \hline 198 \end{array} \quad \begin{array}{r} 22 \\ 8 \\ \hline 176 \end{array}$$

These 12 kids need to be in a cabin.

8. Jessie made 312 mini energy bars. She puts 24 bars in each bag. She plans to sell each bag for \$6. How many bags of energy bars will she have? How much will she earn if she sells all of the bags?

$$\begin{array}{r} 13 \\ 24 \overline{) 312} \\ \underline{312} \\ 0 \end{array}$$

$$\begin{array}{r} 13 \\ 24 \\ \hline 72 \end{array}$$

There will be 13 bags of energy bars.

$$\begin{array}{r} 13 \\ \times 6 \\ \hline 78 \end{array} \quad \text{Jessie will earn } \$78.00.$$

9. The table shows the number of students going on a field trip. One chaperone is needed for every 12 students. How many chaperones are needed?

Grade	Number of Students
Fifth Grade	310
Sixth Grade	305
Seventh Grade	225

$$\begin{array}{r} 1 \\ 310 \\ 305 \\ + 225 \\ \hline 840 \end{array}$$

$$\begin{array}{r} 70 \\ 12 \overline{) 840} \\ \underline{840} \\ 0 \end{array}$$

70 chaperones are needed to go on the field trip.

$$\begin{array}{r} 12 \\ 7 \\ \hline 84 \end{array}$$