

1. Which sentence is true?

- A. $412,440 > 412,549$
- B. $416,543 < 415,811$
- ☒ C. $413,303 > 413,030$
- D. $411,312 < 411,231$

2. Which number has the digit 4 in the thousands place and the digit 8 in the hundreds place?

- A. 123,483
- ☒ B. 254,837
- C. 368,448
- D. 459,804

3. A green shirt costs \$6. A yellow shirt costs 4 times as much as the green shirt. How much does the yellow shirt cost?

- A. \$2
- B. \$10
- C. \$16
- ☒ D. \$24

4. Multiply.

$$3,652 \times 4 = \square$$

- A. 1,468
- B. 14,408
- ☒ C. 14,608
- D. 14,628

5. Which correctly shows the multiplicative identity property of 1?

- A. $32 \times 5 = 5 \times 32$
- ☒ B. $21 \times 1 = 21$
- C. $0 \times 22 = 0$
- D. $4 \times (31 \times 9) = (4 \times 31) \times 9$

6. Which shows another way to write this number sentence?

$$23 \times 9 = \square$$

- A. $(20 + 9) \times (3 + 9)$
- B. $(20 + 9) + (3 + 9)$
- ☒ C. $(20 \times 9) (+) (3 \times 9)$
- D. $(20 \times 9) \times (3 \times 9)$

7. This week Doreen baked 48 muffins. That was 6 times as many muffins as she baked last week. How many muffins did Doreen bake last week?

- A. 5
- B. 6
- C. 7
- D. 8

8. Shelli is trading in 750 tickets that she won at the arcade for 6 toy bracelets. Each bracelet costs the same number of tickets. How many tickets does each bracelet cost?

- A. 125
- B. 744
- C. 756
- D. 4,500

9. Divide.

$$1,900 \div 100 = \square$$

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10. Willie has 394 trading cards. He wants to put the cards in 4 albums. Each album will have the same number of cards. He will give the extra cards to his brother. How many cards will be in each album?

A. Write a number sentence for the problem. Use a variable to represent the quotient.

$$394 \div 4 = n$$

B. Solve the number sentence you wrote for Part A. Explain your answer.

Each album will have 98 cards. He will give the remaining 2 cards to his brother.

$$\begin{array}{r} 98 \text{ R } 2 \\ 4 \overline{) 394} \\ \underline{36} \\ 34 \\ \underline{32} \\ 2 \end{array}$$

1. Which is not a factor pair of 56?

- A. {1, 56} 56
- B. {2, 28} 56
- C. {7, 8} 56
- D. {4, 13} 52

2. A TV show had 16,982 viewers last Tuesday. This Tuesday, the show had 3,472 more viewers than last Tuesday. How many viewers did the show have this Tuesday?

- A. 51,702
- B. 20,454
- C. 19,354
- D. 13,510

$$\begin{array}{r} 16,982 \\ + 3,472 \\ \hline \end{array}$$

3. Which is a multiple of 9?

- A. 19
- B. 28
- C. 64
- D. 72

- 9
- 18
- 27
- 36
- 45
- 54
- 63
- 72
- 81
- 90

4. Marvin spent \$827 on a computer. To the nearest hundred, what is the cost of the computer?

- A. \$800
- B. \$820
- C. \$830
- D. \$900

$$\begin{array}{r} 100 \\ 827 \approx 800 \end{array}$$

Remember your poem.

5. The tallest building in the world is 2,716 feet high. To the nearest thousand, what is the height of the tallest building?

- A. 2,700 feet
- B. 2,720 feet
- C. 2,800 feet
- D. 3,000 feet

$$\begin{array}{r} 1,000 \\ 2,716 \\ \hline 3,000 \end{array}$$

6. The table shows the distances traveled by 3 students during the summer months.

Distances Traveled

Student	Distance Traveled (in miles)
Hank	2,683 \approx 3,000
Nina	5,893 \approx 6,000
Ruby	453 \approx 500

Which is the best estimate of how many more miles Nina traveled than Ruby?

- A. 2,000 miles
- B. 5,000 miles
- C. 5,500 miles
- D. 6,000 miles

$$\begin{array}{r} \text{Nina } 6,000 \\ \text{Ruby } 500 \end{array}$$

7. Franklin typed for a total of 88 minutes. He can type 38 words in one minute. To find how many words he typed in all, which rounded numbers can you use to check the answer?

- A. 80×30 $88 \approx 90$
 B. 80×40 $38 \approx 40$
 C. 90×30
 D. 90×40

8. Cheryl's car traveled 226 miles on 8 gallons of gas. She traveled about the same number of miles with each gallon. Which is the best estimate for the number of miles she traveled with each gallon of gas?

- A. 20 miles
 B. 30 miles
 C. 40 miles
 D. 60 miles

$$226 \approx 200$$

$$8 \approx 10$$

$$10 \overline{) 200}$$

9. The table shows the number of species of some animal groups.

Number of Species	
Animal Group	Number of Species
Birds	9,956
Mammals	5,416
Amphibians	6,199
Reptiles	8,240

$$\begin{array}{r} \text{mammals} \quad 5,416 \\ \text{amphibians} \quad + 6,199 \\ \hline 11,615 \end{array}$$

- A. How many species of mammals and amphibians are there?

There are 11,615 mammals and amphibians.

- B. How many more species of birds than reptiles are there?

There are 1,716 more birds than reptiles.

$$\begin{array}{r} \text{Birds} \quad 9,956 \\ \text{Reptiles} \quad 8,240 \\ \hline 1,716 \end{array}$$