

Name: _____

Unit 2: Add & Subtract Whole Numbers Study Guide (Parent Edition)

1) Find the difference of 3,012 and 429 and verify.

$$3,012 - 429 = 2,583$$

$$2,583 + 429 = 3,012$$

2) Solve: $13,601 + 11,961$

$$13,601 + 11,961 = 25,562$$

3) Find the sum of 54,168 and 1,407

a. 52,761

b. 55,565

c. 55,575

d. 68,238

4) Estimate: $34,251 - 18,163 =$

a. 50,000

b. 40,000

c. 20,000

d. 10,000

5) Find the missing digit:

$$\begin{array}{r} 14,424 \\ + \diamond,599 \\ \hline 16,023 \end{array} \quad \diamond = \underline{1}$$

6) Find the missing digit:

$$\begin{array}{r} 60,400 \\ - 3\triangle,829 \\ \hline 20,571 \end{array} \quad \triangle = \underline{9}$$

7) Estimate the sum of 42,902 and 12,859 to the nearest thousand.

$$\begin{array}{r} 42,902 \rightarrow 43,000 \\ + 12,859 \rightarrow 13,000 \\ \hline 56,000 \end{array}$$

8) A mother elephant weighed 5,917 kg, and a father weighed 6,444 kg. They have a baby elephant, and the three of them together weigh 12,487 kg. Which equation could be used to find the weight of the baby elephant?

a. $6,444 - b = 5,917$

b. $12,487 + 6,444 + 5,917 = b$

c. $6,444 + b = 12,487$

d. $5,917 + 6,444 + b = 12,487$

9) The United States produced 284 fewer movies last year than India. If India produced 2,971 movies, how many movies were produced in the U.S.?

$$2,971 - 284 = 2,687 \text{ movies}$$

10) Mackenzie has collected 17,769 stamps. Her friend Lucia also collects stamps. Together they have 24,297 stickers. About how many stamps does Lucia have?

ABOUT... $20,000 - 20,000 = 0$ that does not make sense so round to the thousands place.

$$24,000 - 18,000 = 6,000 \text{ stamps}$$

11) The following clues make what number?

26 tens 8 ten thousands 2 thousands
260 80,000 2000

Standard Form:

82,260

Expanded Form:

80,000 + 2,000 + 200 + 60

Word Form:

eighty-two thousand two hundred sixty

12) There were about 265,704 books in the library. Ms. Taylor received a shipment of books, and now there are 306,622 books. Which equation can be used to find about how many books were in the new shipment.

a. $270,000 + 310,000 = b$

b. $260,000 + 300,000 = b$

c. $270,000 + b = 310,000$

d. $260,000 + b = 300,000$

13) Maria solved the following math problem. Why is her answer incorrect? Please write a complete sentence.

$$\begin{array}{r} 38,007 \\ - 3,457 \\ \hline 34,540 \end{array}$$

Maria did not subtract correctly in the tens place.. she has to borrow a hundred an make the tens place 10 - 5 to make 5, NOT 4

14) There were 2,172 students at North Gwinnett Elementary in August. Thirty-seven students moved to other schools during the year, and more students moved in. Now there are 2,163 students at North Gwinnett Elementary. How many new students enrolled?

$$2,172 - 37 + a = 2,163$$

$$2,135 + a = 2,163$$

$$2,163 - 2,135 = a = 28 \text{ students enrolled}$$

15) Javen bought new running shoes for \$63 and a jacket for \$26. He paid with a \$100 bill. How much change did he get? Choose an expression **and** solve.

a. $100 - (s + j)$

b. $(s + j) - 100$

$$100 - (63 + 26) = 100 - 89 = \$11 \text{ in change}$$

16) The GA Aquarium opened with 46 penguins. They purchased 35 more penguins the second year. Three new baby chicks hatched last spring. The aquarium loaned 29 of the penguins to another aquarium. How many penguins are left. Write an expression and solve.

$$46 + 35 + 3 - 29$$

$$81 + 3 - 29 = 84 - 29 = 55 \text{ penguins}$$

17) Zuri solved the following problem.

$$\begin{array}{r} 78,108 \\ - 3,469 \\ \hline 75,639 \end{array}$$

Why is her answer incorrect?

a. When she subtracted the tens digits, she made an error in subtraction: $10 - 6$ equals 4 not 3.

b. When she regrouped from the thousands to the hundreds place, she forgot to change the 8 thousand to 7 thousand.

c. When she regrouped from the tens place to the ones places, she should have changed the 8 ones to 17 ones.

d. When she subtracted the ones digits, she should have subtracted the 8 from the 9 with an answer of 1.