Addition Terms

Addition can be shown in two ways:

Vertical Form

```
4  \text{Addend} + 7  \text{Addend} = 11  \text{Sum}
```

Horizontal Form

```
4  \text{(Addend)} + 7  \text{(Addend)} = 11  \text{(Sum)}
```

1. Find each sum and label.
   a. 41 __________ +3 2 __________
   b. 7 5 __________ +2 3 __________
   c. 16 + 41 = __________

2. Write the value of each set.
   a. __________
   b. __________
   c. __________
   d. __________
   e. __________

3. Write the largest number.
   3 6 9 0 7 7 1 1 9 2 2 9 3 1 7 9 2 9 7 9 4 8 1 0 3
   ____________ ____________ ____________ ____________ ____________

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Horizons Math 4, Student Workbook 1
3. Work the division problems and write your answers using written form.

[Crossword puzzle]

ACROSS
1. $9 \div 54$
2. $2 \div 32$
3. $3 \div 12$
4. $9 \div 72$
5. $5 \div 15$
6. $9 \div 81$
7. $8 \div 8$

DOWN
Example: 1. $3 \div 24 = 8 = \text{eight}$
2. $8 \div 56$
3. $2 \div 10$
4. $4 \div 0$

4. Write the fractional parts that are shaded. Find the sum.

- [Fractional parts diagram 1]
- [Fractional parts diagram 2]

$$\text{____} + \text{____} = \text{____} + \text{____} = \text{____} + \text{____} =$$

$$\text{____} + \text{____} = \text{____} + \text{____} =$$
Find the Products

\[
\begin{array}{ccc}
4 & 5 & 6 \\
4 & 5 & 6 \\
\end{array}
\quad
\begin{array}{cc}
3 & 4 \\
4 & 5 \\
6 & 6 \\
\end{array}
\quad
\begin{array}{cc}
7 & 8 \\
4 & 5 \\
6 & 6 \\
\end{array}
\]

Write <, > or =.

\[
\begin{align*}
54,499 & \quad 54,944 \\
12,000 & \quad 12 \text{ thousand} \\
912 \text{ billion} & \quad 912,000,000 \\
34,270 & \quad 34,720 \\
124,000 & \quad 124,001 \\
43 \text{ million} & \quad 43,000,000 \\
6,789 & \quad 6,800 \\
537 \text{ billion} & \quad 537,000,000 \\
14 \text{ thousand} & \quad 1,014 \\
\end{align*}
\]

Dawn is in Mr. Carter’s fourth grade class. She read the problems below and found a solution. Look at the question and Dawn’s answer. If you think she understood the question, write yes beside her answer. If you think she did not understand the question, write no beside her answer.

Sam had 18 donuts to bring to the carnival. Paul had two dozen donuts to bring to the carnival. When they combined their donuts, how many did they have?

\[
18 + 24 = 42 \text{ donuts}
\]

Christi, Julie, and Pauline took a ride on the Magic Skyrocket. The tickets were $2.50 a piece. If the girls gave the cashier $10.00, how much was their change?

\[
$2.50 + $2.50 + $2.50 = $7.50
\]

Steve was great at ring toss. He threw a total of 57 rings. 21 of his rings made it around a pop bottle. How many of his tosses did not make it around a pop bottle?

\[
57 – 21 = 36
\]

Cotton candy costs $1.00, popcorn costs $0.75, soft drinks are $1.00, hot dogs are $1.75, and chips are $0.75. If Pam has $5.00, can she buy one of everything?

\[
$1.00 + $0.75 + $1.00 + $1.75 + $0.75 = $5.25 \\
$5.00 – $5.25 = \text{you cannot subtract} \\
\text{She does not have enough.}
\]

Five of the boys wanted to go down the waterslide. If the cost of the ride was $2.00 per person, how much would it cost the boys to ride?

\[
$5.00 – $2.00 = $3.00
\]
Apply the division properties from the last lesson to understand basic division facts.

1. Solve the problems by applying the division properties.
   
   - \(42 \div 7 = \___\), so \(\___ \times 7 = 42\)
   - \(48 \div 8 = \___\), so \(\___ \times 8 = 48\)
   - \(15 \div 3 = \___\), so \(\___ \times 3 = 15\)
   - \(30 \div 6 = \___\), so \(\___ \times 6 = 30\)
   - \(8 \div 8 = \___\)
   - \(8 \div 1 = \___\)
   - \(12 \div 12 = \___\)
   - \(12 \div 1 = \___\)
   - \(0 \div 4 = \___\)
   - \(5 \div 5 = \___\)
   - \(5 \div 1 = \___\)
   - \(10 \div 10 = \___\)
   - \(10 \div 1 = \___\)
   - \(0 \div 9 = \___\)

   What division problem is impossible? ________________________________________________________________________

2. Find the quotient. Label the first problem using the terms divisor, dividend, and quotient.

   - \(6 \div 18 = \___\)
   - \(9 \div 81 = \___\)
   - \(9 \div 9 = \___\)
   - \(7 \div 21 = \___\)
   - \(1 \div 2 = \___\)

   - \(3 \div 15 = \___\)
   - \(2 \div 18 = \___\)
   - \(3 \div 27 = \___\)
   - \(9 \div 36 = \___\)
   - \(8 \div 72 = \___\)

   - \(6 \div 54 = \___\)
   - \(8 \div 24 = \___\)
   - \(2 \div 2 = \___\)
   - \(9 \div 45 = \___\)
   - \(9 \div 63 = \___\)
Problem Solving

Real life involves having to use money in everyday situations like ordering food at a restaurant. Data is gathered from a menu and then used to calculate the amount of money you are spending.

Sally and four friends are having the lunch special. How much money will the 5 meals cost?

$$3.95 \times 5 = 19.75$$

(Price of special)  (Number of meals ordered)  (Price of meals)
Olivia’s Decorating Den offered a combination special. You could purchase a gallon of paint in either white, beige, blue, or green, and 3 rolls of coordinating wallpaper—striped or flowered—for $35.00. How many different paint and wallpaper combinations can be made?

Count the number of letters in each word in the picture below. If the number of letters in the word is a prime number, write P for PRIME on the answer line provided below the word. If the number of letters in the word is composite, write C for COMPOSITE on the answer line provided below the word.

But the fruit of the spirit is, love, joy, peace, patience, kindness, goodness, faithfulness, gentleness and self-control. Against such things there is no law. *Galatians 5:23*