

Horizons

Math



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1.

32
7,861
+ 504
8,397

4,267
86
+ 351
4,704

736
2,815
+ 49
3,600

2. $\frac{3}{3}$ $\frac{4}{5}$ $\frac{6}{6}$ $\frac{3}{4}$ $\frac{5}{5}$ $\frac{5}{8}$ (answers can vary)

3. 3,814 3,734 3,559 3,086 4,503 3,119 1,553

4. < > >
< < >

5.

4,310
71,000
258,000
36,900

0
5,400
12,780
0

6. 2 r 3 7 r 3 8 r 1 3 r 2 5 r 6 3 r 6

7. 4:58 1:13 7:32 11:27 9:46

8. = = ≠ ≠

9. 190 4,240 80 23,500

10. 2,400 500 71,300 484,000

11. 8 : 3
6 : 5
22
5 : 22

12.

tens
hundred thousands
thousands
millions

hundred millions
hundreds
ones
ten millions

13. 2 $\frac{1}{4}$ 3 $\frac{3}{4}$ 4 $\frac{3}{5}$

14. n = 6 n = 14 n = 24 n = 16

15. $\frac{7}{8}$ $\frac{6}{7}$ $\frac{7}{9}$ $\frac{8}{10}$

16. $\frac{4}{8}$ $\frac{2}{5}$ $\frac{5}{9}$ $\frac{1}{7}$ $\frac{3}{10}$ $\frac{1}{6}$ $\frac{3}{12}$ $\frac{5}{11}$

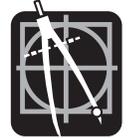
17. 2,286 89 57,363 986,654

18. 2,960 3,367 2,944 1,968 411 1,092

19. \$234.00 \$13.88

Passing score is 72
out of 102 possible
points.

Lesson 1



Concepts:

Addition terms, money, ordering, fractional parts, addition, subtraction, ordinal numbers

Objectives:

1. The student will be able to write the name of the terms in an addition problem.
2. The student will be able to write the value of a given number of various coins and bills.
3. The student will be able to write the largest possible number when given five digits.
4. The student will be able to shade the fractional part of a circle
5. The student will be able to write the sum of two triple-digit numbers that involve trading in the ones' place. The student will be able to place the corresponding letter in the message box.
6. The student will be able to write the difference of two triple-digit numbers that involve borrowing from the tens' place. The student will be able to place the corresponding letter in the message box.
7. The student will be able to correctly place a set of letters numbered ordinally on blanks corresponding to the appropriate ordinal numbers.

Teaching Tips:

Students should have little difficulty with the concept of addition. They may need repeated drill to memorize the addition terms. Drill basic addition and subtraction skills with flashcards.

Materials, Supplies, and Equipment:

1. Beans, pennies, counters or similar items that can be easily counted and grouped
2. *Worksheet 1*
3. Addition and subtraction flashcards

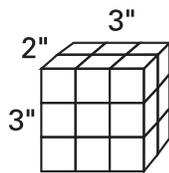
Activities:

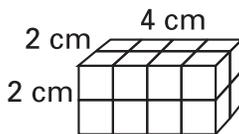
1. Place 4 counters in one group, and 7 counters in another group. Ask the students how many counters are in each group. Write the numbers beside each group.
2. Ask the students how many counters are in both groups combined. Combine the counters into one group and write the number 11 beside the group.
3. Direct the students' attention to **Lesson 1 Explanation**. Define the terms addend and sum. Emphasize vertical and horizontal forms of writing addition.
4. The students should be able to complete **Lesson 1 Practice** independently.
5. **Lessons 1-10** review many of the skills covered in previous *Horizons Math* workbooks. Any students new to the *Horizons Math* program can be helped through these review exercises by discussing the **Explanations** for these problems that appear later in the student book. For example, an explanation for the geometry shapes reviewed in **Lessons 5 & 10** can be found in **Lesson 92 & Lesson 96 Explanations**.

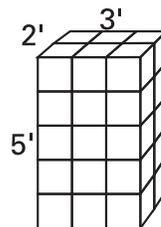
*Setting an example is not the main means of influencing another,
it is the ONLY means.*

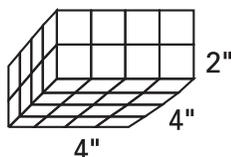
Albert Einstein

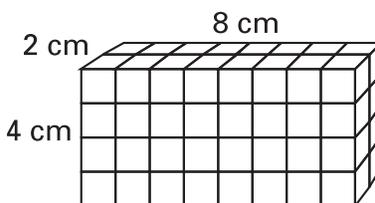
1 Find the volume.

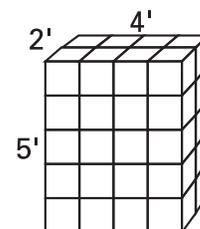


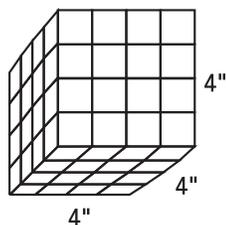


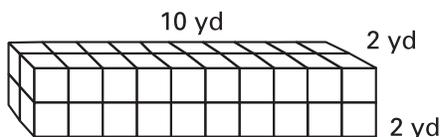


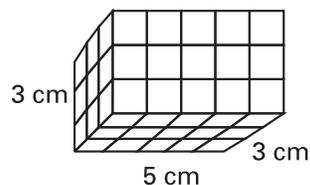


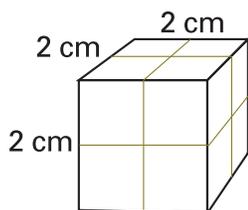


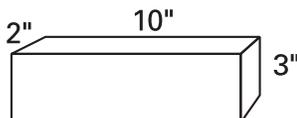


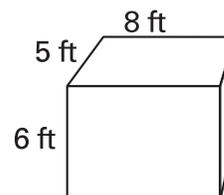












1 Label using the Word Bank.

$$\begin{array}{ccccccc} 4 & + & 6 & = & 10 \\ \hline & & & & \hline \end{array}$$

$$\begin{array}{ccccccc} 8 & - & 5 & = & 3 \\ \hline & & & & \hline \end{array}$$

$$4 - 0 = 4 \qquad 20 - 20 = 0$$

$$(2 + 4) + 5 = 11, \quad (\text{so}) \quad 2 + (4 + 5) = 11$$

$$5 - 3 = 2, \quad (\text{so}) \quad 2 + 3 = 5$$

$$5 + 0 = 5 \qquad 7 + 0 = 7$$

$$3 + 9 = 12, \quad (\text{so}) \quad 9 + 3 = 12$$

WORD BANK:

Order Property of Addition	Zero Property of Addition	Opposites Property
Zero Property	Grouping Property of Addition	addend
minuend	subtrahend	difference
		sum

Quarter Test 1 Lesson 40

- Addend Addend Sum
 Minuend Subtrahend Difference
 Zero Property
 Grouping Property of Addition
 Opposites Property
 Zero Property of Addition
 Order Property of Addition
- 2; 1; 8; 3; 2
 5; 4; 7; 10; 5
 ANSWERS: JESUS; SAVES
- Answers: Understand, Plan, Work,
 Answer/Check
 Answers: $\$400.00 + \$800.00 = \$1,200.00$
 $\$100.00 - \$69.99 = \$30.01$
 $\$5.00 \times 5 = \25.00
- Answers: $8,000 + 900 + 20 + 6$; 8 is in the
 thousands' place
 $30,000 + 2,000 + 0 + 60 + 5$; 5 is in the ones'
 place
 $800,000 + 70,000 + 4,000 + 200 + 30 + 1$; 8 is
 in the hundred thousands' place
- 15; 7; 27; 31; 61; 40
 $20 > 10$ $30 = 30$ $60 > 40$
- 27; 483; 6,397; 858
- 960; 4,000; $\$292.00$; 0; $\$7.00$
 260; 400; $\$595.00$; 3,000
 BELIEVING
- Answers will vary. Example: How many
 more verses does he need to memorize?
 $50 - 28 = 22$

Answers will vary. Example: How much
 more money will Kirby have left?
 $\$175.00 - \$125.00 = \$50.00$

Quarter Test 2 Lesson 80

- $\$36.00$; $\$4.00$; $\$87.00$; $\$75.00$
- $\$1.00 = 1$ -1 dollar bill
 $\$13.00 = 3$ -1 dollar bills, 1-10 dollar bill
 $\$25.00 = 1$ -5 dollar bill, 1- 20 dollar bill
1. Zero Property of Multiplication

- Order Property of Multiplication
- One Property of Multiplication
- Grouping Property of Multiplication
- Division of a Number by Itself
- Multiplication and Division are Related
- Division by Zero
- Division by One
- Dividend
- Divisor
- Quotient
- Multiplicand
- Multiplier
- Product
- 2; 6 2; 8 1; 7 3; 9
 2, 2, 3 2, 2, 4 3; 3; 3
 2, 2, 2, 2
 Answers: $3 \times 2 \times 2 = 12$ (example)
 $2 \times 2 \times 2 \times 2 = 16$
 $1 \times 7 = 7$
 $3 \times 3 \times 3 = 27$
- 119; 15,000; 6,279; 3,460
 264; 669; 24,000,000
1. $\$2.25 + 0.95 + 0.95 + 0.95 + 0.95 + 0.95 = \7.00
 $\$7.00 \div 2 = \3.50
2. $\$3.00 + \$0.60 + \$0.60 = \4.20
 $\$4.20 \div 2 = \2.10
- 28; 39; 66
- 4 r 6; 7; 6 r 27
 4; 2 r 10; 5
 45 r 41; 63 r 43

Quarter Test 3 Lesson 120

- $\$6.02$; $\$1.19$; $\$7.89$; $\$2.37$; $\$5.18$
- 70; 90; 10; 20; 40
- Tami
1. j
 2. i
 3. b
 4. h
 5. m