Chapter 1 - The Whole Numbers
1.2 Place Value, Names for Numbers, and Reading Tables
 1.2 Exercise Set, page 13: 1, 6, 9, 15, 29, 36

1.3 Adding Whole Numbers and Perimeter
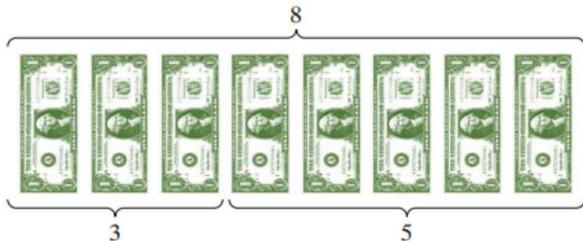 1.3 Exercise Set, page 23: 3, 11, 13, 41, 45, 61

1.4 Subtracting Whole Numbers
 1.4 Exercise Set, page 34: 3, 15, 45, 54

1.5 Rounding and Estimating
 1.5 Exercise Set, page 44: 1, 11, 30, 37, 43, 47, 50, 54

1.4

$$8 - 3 = 5$$

minuend   subtrahend   difference   memorize

Subtraction Properties of 0

The difference of any number and that same number is 0. For example,

$$11 - 11 = 0$$

The difference of any number and 0 is that same number. For example,

$$45 - 0 = 45$$

$n - n = 0$ for any number n

$n - 0 = n$ for any number n

$n + 0 = n$ "   "   "   "

Zero is the identity element of addition and
subtraction of numbers.

$$\overset{7\ 11}{\cancel{8}\cancel{1}} \leftarrow$$
$$-63$$
$$18 \leftarrow 11 - 3 = 8$$
$$\uparrow$$
$$7 - 6 = 1$$

Check: 18
           +63
           ───
            81   The original minuend.

$$\overset{7\ '}{\cancel{8}}1$$
$$-\ 63$$
$$\overline{1\ 8}$$

$$54$$
$$-16$$
$$\overline{38}$$

$$5 \times 10 + 4 \times 1$$
$$-1 \times 10 \smile 6 \times 1$$
$$\overline{}$$

$$4 \times 10 + 14 \times 1$$
$$-1 \times 10 \smile 6 \times 1$$
$$\overline{}$$
$$3 \times 10 \qquad 8 \times 1$$

$$= \boxed{38}$$

Memorize

Subtraction		
Key Words or Phrases	**Examples**	**Symbols**
subtract	subtract 5 from 8	$8 - 5$
difference	the difference of 10 and 2	$10 - 2$
less	17 less 3	$17 - 3$
less than	2 less than 20	$20 - 2$
take away	14 take away 9	$14 - 9$
decreased by	7 decreased by 5	$7 - 5$
subtracted from	9 subtracted from 12	$12 - 9$

1.5

Memorize

Rounding Whole Numbers to a Given Place Value

Step 1: Locate the digit to the right of the given place value.

Step 2: If this digit is 5 or greater, add 1 to the digit in the given place value and replace each digit to its right by 0.

Step 3: If this digit is less than 5, replace it and each digit to its right by 0.

Not quite ok without decimals

Round   37.4 8̲2

to the nearest hundredth

$37.482 \approx 37.48$

approximately equal

My estimate is accurate to the nearest hundredth.

Round   3̲7.482 to the nearest ten

≈ 40