

## Section 4.6 Estimating

Estimate by rounding as directed.

1)  $0.06 + 2.79 + 0.23$ ; nearest tenth

6)  $16 \times 60$

Estimate the quotient by first rounding each number as indicated.

7)  $9.84 \div 5$ ; Estimate by first rounding each number to the nearest one.

2)  $6.4 + 4.7146 + 7.5497$ ; nearest one

8)  $162.63 \div 38.1$ ; Estimate by first rounding each number to the nearest ten.

3)  $32.462 - 11.5579$ ; nearest tenth

Estimate an answer to the problem.

9) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate to the nearest ten the total cost of one 21-inch set and one 50-inch set.

4)  $532.432 - 14.0$ ; nearest tenth

Estimate the product by first rounding each number so that there is one nonzero digit.

5)  $1.86 \times 404.2$

10) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate to the nearest ten how much more a 50-inch set costs than a 19-inch set.