

Chapter 5 Test

1. $\frac{79}{100}$, 0.79
2. WATER PURITY
Selway, Monroe, Paston, Covington,
Cadia
- 3a. SKATEBOARDING
sixty-two and fifty-five hundredths;
 $62\frac{55}{100}$
- 3b. MONEY
eight thousand thirteen one hundred-
thousandths; $\frac{8,013}{100,000}$
4. 33.050
5. SKATING RECEIPTS
 t = total receipts
 $t = 30.25 + 62.25 + 40.50 + 75.75$
 $t = 208.75$
The total receipts were \$208.75.
- 6a. $567.909 \div 1,000 = 0.567909$
- 6b. $0.00458 \cdot 100 = 0.458$
7. EARTHQUAKE FAULT LINES
 d = distance the ground dropped
 $d = 0.83 + 0.19$
 $d = 1.02$
The ground dropped 1.02 in total.
- 8a. $2 + 4.56 + 0.89 + 3.3 = 10.75$
9. $45.2 - 39.079 = 6.121$
10. $(0.32)^2 = 0.1024$
11. $-6.7(-2.1) = 14.07$

12. NEW YORK CITY

$$A = (2.5)(0.5)$$

$$A = 1.25 \text{ mi}^2$$

13. TELEPHONE BOOKS

t = thickness of paper

$$t = \frac{2.3}{565}$$

$$t \approx 0.004$$

Each page is about 0.004 in thick.

$$\begin{aligned} 14. \quad 4.1 - (3.2)(0.4)^2 &= 4.1 - (3.2)(0.16) \\ &= 4.1 - .512 \\ &= 3.588 \end{aligned}$$

$$15a. \quad \frac{17}{50} = 0.34$$

$$15b. \quad \frac{5}{12} = 0.4\overline{16}$$

$$16. \quad \frac{12.146}{-5.3} \approx -2.29$$

$$\begin{array}{r} 17. \quad \frac{1.1818}{11 \overline{)13.0000}} = 1.\overline{18} \\ \underline{11} \\ 20 \\ \underline{11} \\ 90 \\ \underline{88} \\ 20 \\ \underline{11} \\ 90 \\ \underline{88} \\ 2 \end{array}$$

