

$$1. \quad 2.75 + 0.003 + 1.58$$

2.75

0.003

+ 1.58

4.333

$$2. \quad 7.86 \times 4.6$$

7.86
x 4.6

4716

3144

36156

$$20 \overline{) 7.000}$$

60

100

100

0

$$3. \quad \frac{7}{20} =$$

4. Which is the least?

A. 0.105

B. 0.501

C. 0.015

D. 0.15

All of the following are ways to write 25 percent of N except

a. $0.25N$

b. $\frac{25N}{100}$

c. $\frac{1}{4}N$

d. $25N$

Which of the following is
closest to 27.8×9.6 ?

28

10

- (a) 280
- b. 300
- c. 2,800
- d. 3,000

A soccer team played 160 games and won 65 percent of them. How many games did it win?

- a. 94
- ☒ b. 104
- c. 114
- d. 124

$$160(0.65) = 104$$

#3b

$$C = 0.004h + 1.05$$

$$C = 0.004(1000) + 1.05 \text{ for 1,000h}$$

$$C = 4 + 1.05$$

$$C = 5.05$$

he saves \$6.45 - 5.05 = \$1.40
you save \$1.40/1000h with the energy
saving bulbs.

10. Simplify, then evaluate

$$a) 10^2 \times 10^3 = 10^5$$

100,000

$$b) \frac{7^6}{7^{-2}} = 7^8 = 5764801$$

$$c) ((1.12)^3)^3 = 1.12^6 = 1.974$$

$$d) \frac{2^3 \times 2^2}{2^5}$$

$$= \frac{2^5}{2^5} =$$

$$= 1$$

$$2^{5-5} = 2^0 = 1$$

$$11a) k^4 (k^3 k^{-3})^{-2} \quad c) \frac{xy^{-2}}{x^3 y^2} = \frac{1}{x^2 y^4}$$

$$= k l$$

$$= x^{-2} y^{-4}$$

$$b) (a^5)^{-2} (a^3)^4$$

$$= a^{-10} a^{12}$$

$$= a^2$$

$$d) \left(\frac{5}{n} \right)^4 \left(\frac{n}{5} \right)^{-3}$$

$$= \left(\frac{5}{n} \right)^4 \left(\frac{5}{n} \right)^3 = \left(\frac{5}{n} \right)^7$$