Assignment

Write - Sample:

Describe two ratios in the real world. Write about at least one part-to-whole ratio and one part-to-part ratio.

P:W There are 4 red skittles to every 40 total skittles.

P:P There are 4 red skittles to every 8 green skittles.

Practice

1. a. $V = l \cdot w \cdot h$

$V = \frac{7}{8} \cdot \frac{1}{3} \cdot \frac{2}{3}$

$V = \frac{14}{72} \div 2 = \frac{7}{36}$ cm^3

1b. Left/Rt + Front/Back + Top/Bottom

$\frac{1}{3} \cdot \frac{2}{3} \cdot \frac{2}{1} + \frac{7}{8} \cdot \frac{2}{3} \cdot \frac{2}{1} + \frac{7}{8} \cdot \frac{1}{3} \cdot \frac{2}{1}$

$\frac{4}{9} + \frac{28 \div 4}{24 \div 4} + \frac{14 \div 2}{24 \div 2}$

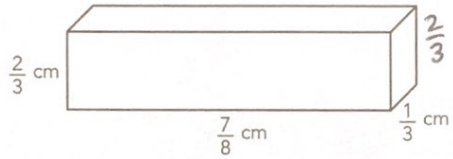
$\frac{4}{9} + \frac{7}{6} + \frac{7}{12}$

$\frac{16}{36} + \frac{42}{36} + \frac{21}{36} = \frac{79}{36} = 2\frac{7}{36}$

$SA = 2\frac{7}{36}$ cm^2

Review

1. A right rectangular prism is shown.



a. Determine the volume of the prism.

b. Determine the surface area of the prism.

2. Estimate each sum or difference to the nearest whole number. Then calculate each sum or difference.

a. Cristina wants to purchase four items at the sporting goods store. The items she wants to buy are soccer cleats for \$24.99, shin guards for \$12.99, soccer socks for \$4.49, and a soccer ball for \$19.95. How much will the four items cost?

b. Jada and Tonya ran a 400-meter race. Jada ran the race in 75.2 seconds. Tonya ran the race in 69.07 seconds. How much faster did Tonya run the race?

3. Determine each product.

a. $\frac{3}{8} \times \frac{4}{5} = \frac{3}{10}$

b. $2\frac{9}{10} \times \frac{2}{5} = \frac{29}{10} \times \frac{2}{5} = \frac{29}{25} = 1\frac{4}{25}$

2.a. Estimate:

25
13
4
+20
\$62

Exact:

$^{2}\,^{3}\,^{3}$
24.99
12.99
4.49
+19.95
\$62.42

2.b.

\$75.20 ≈ 75
−69.07 ≈ −69
6.13 → 6