## Chapter 5-1 to 5-4 Review

Express each ratio as a fraction in simplest form.

1) 12 dolls out of 18 toys

2) 40 dogs to 12 cats

3) 3 inches to 1.5 feet

4) Which is less expensive per ounce, 16 ounces of Swiss cheese for \$2.75 or 24 ounces of cheddar cheese for \$3.25? Explain

Express as a unit rate. Round the nearest tenth.

- 5) 140 miles in 6 gallons
- 6) 5 1/2 feet in 3 minutes
- 7) 352 beats in 4 2/5 minutes

Simplify.

Complete the conversion. Round to the nearest tenth.

8) 
$$\frac{18}{\frac{3}{4}}$$

10) Express 14 2/3% as a fraction.

11) A hippo can run 20 miles per hour. How fast is this in feet per second?

## Chapter 5-1 to 5-4 Review

Express each ratio as a fraction in simplest form.

1) 12 dolls out of 18 toys

$$\frac{13}{18} = \frac{3}{3}$$

2) 40 dogs to 12 cats

3) 3 inches to 1.5 feet

$$\frac{3}{18} = \frac{1}{6}$$
 $71.5 \times 12 \text{ or } 12+6$ 

4) Which is less expensive per ounce, 16 ounces of <u>Swiss cheese</u> for \$2.75 or 24 ounces of <u>cheddar cheese</u> for \$3.25? Explain

$$\frac{$2.75}{16} \approx $1.17$$

Express as a unit rate. Round the nearest tenth.

5) 140 miles in 6 gallons

6) 5 1/2 feet in 3 minutes

7) 352 beats in 4 2/5 minutes

$$\frac{353}{1} \cdot \frac{5}{20} = \frac{1760}{20} = 80 \text{ bpm}$$

Simplify.

$$\frac{18}{1} \cdot \frac{18}{3} = 24$$

Complete the conversion. Round to the nearest tenth.

10) Express 14 2/3% as a fraction.

15001 680.9 kg 11) A hippo can run 20 miles per hour. How fast is this in feet per second?

$$\frac{1056000ft}{36000sec} \approx 29.3 ft/sec$$