College Mathematics
rate and percent review key

1.

(a) A tank is $3\frac{2}{5}$ jugs,
["three and two fifths jugs"]
OR 3.4 jugs

(b) A jug is $\frac{5}{17}$ tank.
["five seventeenths of a tank"]

(c) Jack weighs $1\frac{5}{6}$ of Jill's weight.

(d) Jill weighs $\frac{6}{11}$ of Jack's weight.

2.

(a) There is $\frac{3}{8}$ pizza per person.

(b) There are $\frac{8}{3}$ pizzas per person.
OR $2\frac{2}{3}$ pizzas per person

(c) $62\frac{1}{2}$ miles per hour.

(d) $\frac{3}{100}$ mile per hour.

3.

(a) 0.04

(b) 0.47

(c) 4.5

(d) 0.7

(e) 0.003

4.

(a) 8%

(b) 40%

(c) 0.7%

(d) 3720%

(e) 5.9%

5.

(a) $5600

(b) 90 miles

(c) 24 kilograms

6.

(a) Amy can lift 280% of her own weight.

(b) Bobbie has gone 0.7% of her trip.

(c) The tax is 0.25% of the car price.
OR $\frac{1}{4}$ % of the car price

(d) The 2008 population is approximately 458.3% of the 2000 population.