

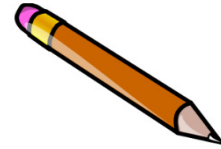
## Grade 6

## Ratios

## Word Problems

Name: \_\_\_\_\_ Class: \_\_\_\_\_

1. Peter had 12 pencils. 7 of them were blue and the rest were red.



- (a) What is the ratio of the number of blue pencils to the number of reds?
- (b) What is the ratio of the number of blue pencils to the total number of pencils?
- (c) What is the ratio of the number of blue pencils to the total number of pencils?

2. Peter and John went shopping and spent money in the ratio 2 : 3



- (a) If Peter spent 500 dollars, how much did John spend?
- (b) If John spent 600 dollars, how much did they spend altogether?
- (c) If both boys spent 2000 dollars altogether, how much did they spend?
- (d) If John spent 100 dollars more than Peter, how much did both boys spend?

3. Jim and Maria saved money in the ratio 8:12



(b) Express the ratio in its simplest form.

(b) Express Maria's saving as a fraction of Jim's saving.

(c) If Maria saved 150 dollars, how much did Jim save?

(d) If they saved 400 dollars altogether, how much did Maria save?

### Answers

Q1 (a)  $\frac{2}{3}$  (b)  $\frac{1}{2}$  (c)  $\frac{1}{2}$  (d) 4 and 8 goals/ 12 altogether

Q2 (a)  $\frac{1}{5}$  (b)  $1\frac{1}{3}$  (c) 30 apples

Q3 (a)  $\frac{1}{5}$  (b)  $\frac{1}{13}$  (c) 80 grams (d) 200 grams

Q4 (a) 2 : 3 (b)  $1\frac{1}{2}$  (c) 100 dollars (d) 240 dollars