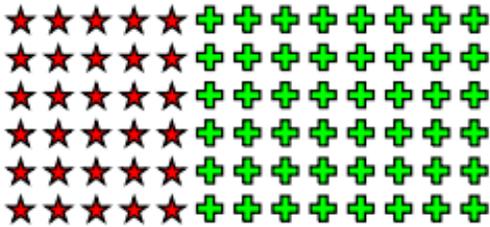




Ratio and Proportion (1)

Find the Ratios



What is the ratio of
 ★ to + ? = ____ : ____ = ____ : ____ Simplified

What is the ratio of
 + to (★ + +) ? = ____ : ____ = ____ : ____

Equivalent Ratios

Write two equivalent ratios.

1)

3		
4		

2)

8		
11		

3)

10		
11		

Which two types of cars have equivalent ratios of miles traveled to hours of time during the trip? _____

Cars	Miles Traveled	Hours of Time
Lexus	34	2
Dodge	36	2
Ford	48	3
Fiat	51	3

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 6 gallons to 12 gallons _____

2) 7 snow days out of 35 days _____

3) 7 quarts to 84 quarts _____

4) 8 footballs to 18 footballs _____



Ratio and Proportion (2)

- 1) The ratio of the weight of Meg's cat to the weight of Anne's cat is 5:7.
Meg's cat weighs 20 kg.
How much more does Anne's cat weigh?

- 2) Pat the Painter mixed 3 pints of yellow paint with 4 pints of green paint to make a nifty new colour.
He used 27 pints of yellow paint.
How many pints of green paint will he need?

- 3) The ratio of boys to girls at the basketball game is 8:5.
There are 30 girls.
How many more boys are there than girls?

- 4) Craig and Brian looked for seashells.
For every 9 seashells Craig found, Brian found 7.
Craig found 54 seashells.
How many fewer seashells did Brian find than Craig?



Ratio and Proportion (3)

A recipe for a cake is as follows: The cake makes enough for **10 servings**.

200g flour

100g Sugar

50g butter

4 eggs

10ml vanilla extract

240ml water

(Note: You may need decimals or fractions as answers in these questions)

- a) How much of each of the ingredients would you need for 5 servings?

- b) How much for 20 servings?

- c) If you had 20 eggs, how many servings could you make?

- d) 100g of butter would make how many servings?



Ratio and Proportion (4)

- 1) Sam has 20 crayons. She has 3 blue crayons for every 2 green ones. How many blue crayons does she have?
- 2) The ice cream man sells 3 vanilla ice creams to every two chocolate ice creams. If he sells 35 ice creams altogether how many vanilla ice creams did he sell?
- 3) Carol makes four phone calls for every three that James makes. If they make 140 calls in a week how many calls did James make