

Necessary Math Skills

1. The mass of a car is 1800. kg. The mass of a car tire is 2.3 kg. The tires represent what percent by mass of the car's total mass?

For Qs 2-3, rearrange the equations:

2. $PV=nRT$ ($P \times V = n \times R \times T$) $n =$ _____

3. $\frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2}$ $T_2 =$ _____

4. Given the following prices, determine the cost of one. BLT sandwich.

Loaf of bread (20 slices)	\$1.49	Per sandwich:
Head of lettuce (25 leaves)	\$1.49	- 2 slices
Tomato (8 slices)	\$1.29	- 1 leaf of lettuce
Bacon 500 g (20 strips)	\$3.99	- 2 slices of tomato
Butter, mayo etc. per sandwich	\$0.04	- 4 strips of bacon
		- butter, mayo ,etc.

5. What is the weight of 1 strip of bacon in question #4?
6. What is the maximum number of complete sandwiches that could be made from 2 loaves of bread and 1 head of lettuce assuming you had enough of all the other ingredients?

Loaf of bread (20 slices)	\$1.49	- 2 slices
Head of lettuce (25 leaves)	\$1.49	- 1 leaf of lettuce