

Worksheet 2015-6AE-0002

RATIO AND RATE

(1) Do the following.

For each 5m that Peter runs, Ann runs 6m.	
(a)	Write down the ratio between the distances.
(b)	If Ann runs 54m how far will Peter run? Write down the new ratio.
(c)	If Peter runs 30m, how far will Ann run? Write down the new ratio.

'n Passenger aeroplane travels 2 496km in 4 hours	
(d) Write down the ratio and simplify it.	
(e) What will the distance of the aeroplane be after half an hour? Write down the ratio.	

(2) The ratio between the width and the length of a rectangle is:

WIDTH	LENGTH
15	48

Complete the table:

WIDTH		LENGTH	
(a)	30		
(b)		240	
(c)	5		
(d)		80	
(e)	540		

(3) The ratio of concentrate to water is 1 : 3. You have to make 180 litres cooldrink. Calculate the correct amount of water and cooldrink that you will need.

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(4) A home owner uses 15 litres white paint, 20 litres yellow paint and 10 litres brown paint.

(a) Write down the ratio in the simplest form.

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(b) How many litres of each colour will he use, if he need 81 litres of paint?

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(5) Super Check sells 8 apples for R 9,60 and Fast food sells 6 apples for R7,50.

(a) Write down the rate of each shop.

SUPER CHECK	FAST FOOD

(b) Write down the rate in the simplest form.

SUPER CHECK	FAST FOOD

(c) Which shop has the cheapest selling price?

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(6) A shop fills 280 quarter litre bowls with desert in 5 hours.

(a) How many *litres* of desert will they use in 1 *hour*?

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(b) How many halve litre bowls will they fill in 15 hours. Write the answer in the simplest rate.

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