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Date	•		
Date			

Class:

Year 11 Essential Mathematics Unit 2 Mini Test 2.4 2018

SCORE:



Topic - Ratios

/ 18

Full working out MUST be shown to get full marks for each question.

Total Time:

30 minutes

Weighting:

1%

Equipment:

To be provided by the student: Pen, pencil, ruler, scientific calculator,1 single sided page of A4 notes

Question 1

Complete the table below (6 marks)

Ratio	Percentage	Fraction	
1:4	20 % to 50%	5 to 5	
3:22/	12 % to 88 %	3/ to 25	
3:17/	% to %	$\frac{3}{20}$ to $\frac{17}{20}$	

Question 2

A pancake recipe that you need 2 cups of milk to 1 cup of flour. (1, 1, 1 Marks)

a) Write this as a ratio of milk to flour.

2:1

The recipe says it makes 20 pancakes. What would the ratio look like if we need;

b) 40 Pancakes

4:2/

c) 10 pancakes.

1:05 /

Question 3

Mike, Michelle and Martin have all gone into business together. Mike has invested \$10,000, Michelle has invested \$15,000 and Martin has invested \$25,000. (2, 2 Marks)

a) Write this as a ratio and then simplify it

10: 15:25 / Rutio 2:3:5 / Simp

b) The company has made \$150,000 profit in its first year. Using the ratio above, work out how much profit each person should receive. / i fart
Question 4 Marcus has a map of the school. He is using the map to work out how for it is best a map of the school. He is using the map to work out how much profit each person should receive. 1
Question 4 Marcus has a map of the school. He is using the map to work out how far it is between his English class and his Music class. On the map he measures it as 12 cm. The map has a scale of 1:1000. How far has he travelled? (1, 1 Marks)
a) In centimetres
12:12000/
b) In metres
12009 100 - 120m / (1) Angrew
Question 5 Steve, Jenny and Lucy order 3 pizzas. Each pizza is cut into 8 pieces. They each eat the pizzas in the ratio of 4:3:5 (Jenny to Lucy to Steve). (1, 2 marks) a) Mark on the pizzas below how much Jenny ate, how much Lucy ate and how much Steve eats.
b) If the Pizzas cost \$36 in total how much does each person own to keep the east \$1.2
b) If the Pizzas cost \$36 in total, how much does each person owe to keep the cost fair?