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Name:

1) Write in the form 1 : n

a) 4 : 16   **1:4**

b) 6 : 18   **1:3**

c) 9 : 27   **1:3**

d) 10 : 25   **1:2.5**

e) 20 : 4   **1:0.25**

f) 15 : 6   **1:0.4**

g) 18 : 12   **1:0.666…**

h) 6 : 21   **1:3.5**

i) 4 : 22   **1:5.5**

j) 2 : 9   **1:4.5**

k) 20 : 12   **1:0.6**

l) 18 : 4   **1:0.222…**

2) Use the recipe sheet provided to answer the following questions.

Scone Recipe
(Makes 10 scones)

Ingredients:

250g of Plain Flour
80g of Butter
25g of Sugar
200ml of Milk

How much of **butter** do you need to make:

a) 20 scones?   **160g**

b) 2 scones?   **16g**

c) 1 scone?   **8g**

d) 7 scones?   **56g**

How much of **milk** do you need to make:

e) 5 scones?   **100ml**

f) 1 scone?   **20ml**

g) 6 scone?   **120ml**

h) 22 scones?   **440ml**

How many scones could you make with an unlimited supply of other ingredients, but only:

i) 70g of sugar?   **28**

j) 120g of butter?   **15**

k) 700ml of milk?   **35**

l) 550g of plain flour?   **22**

3) Which is better value? (you must show your working).

a) 2 pens for 80p or
9 pens for £4.00

1 pen for 40p   1 pen for 44.4p so 2 pens

b) 6 chocolate bars for £3.60 or
10 chocolate bars for £6.50

1 bar for 60p   1 bar for 65p so 6 bars

c) 5 bottles of wine for £30 or
7 bottles of wine for £40

1 for £6   1 for £5.71 so 7 bottles

Exam question:
Two local shops sell cakes at different prices.
Colin's Cakes sells 12 cakes for £8.
Paul's Patisserie sells 5 cakes for £3.50
Which is better value?
You must show all your working.

Colins: 1 for 66.6p

Pauls: 1 for 70p

so Colins is better value