Here is a recipe for 8 cupcakes.
Cupcakes (makes 8)
100 g butter
100 g sugar
2 eggs
1 tsp vanilla extract
120 g flour
4 tbsp milk
a) Complete these recipe cards.

b) Mo has half a kilogram of butter. (500 g)

What is the greatest number of cupcakes he can make using this recipe?

## f品: F5: 

a) How much does 60 litres of petrol cost?

$$
E 36
$$

c) How much does 2 litres of petrol cost?

## f3

d) How many litres of petrol can you buy for $£ 45$ ?
e) How many litres of petrol can you buy for $£ 4.50$ ?

The weight of a piece of rope is in direct proportion to its length. Complete the table.

| Length of rope | Weight of rope |
| :---: | :---: |
| $4<40 \mathrm{~m}$ | 5 kg |
| $\div 4$ | 480 m |
| $\div 20 \mathrm{~m}$ | 30 kg |
| $\div 2 \mathrm{~m}$ | 1.25 kg |
| $\square$ | 0.125 kg |

Are these statements true or false? Explain your answers.
a) 5 gallons of water weigh 8 lbs , so 25 gallons of water weigh 40 lbs .

| True $\quad 5 \times 5$ | $=25$ |
| ---: | :--- |
| $8 \times 5$ | $=40$ |

b) 8 chocolate bars cost $£ 5$, so 2 chocolate bars cost $£ 1.50$

| False | 4 chocolate bars | E2.50 |
| :--- | :--- | :--- |
| 2 chocolare bars | E1.25 |  |

c) Henry the 8th had 6 wives, so Henry the 4th had 3 wives

False - this is not a proportion problem
d) The length of 12 identical toy cars is 132 cm , so the length of 240 of the same toy cars is 26.4 m .
True $12 \times 20=240$

$$
132 \mathrm{~cm} \times 20=2640 \mathrm{~cm}=26.4 \mathrm{~m}
$$

40 g of ginger are needed to make 16 gingerbread men.
Annie wants to make 60 gingerbread men.
She has 140 g of ginger. Is this enough? Explain your answer.


