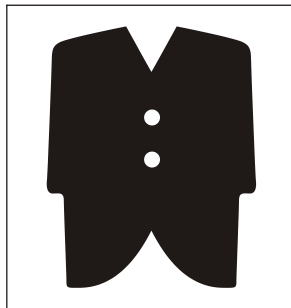


Question 1

***LADIES'
JACKETS***

***70% Wool
30% Nylon***



A jacket is 70% wool and 30% nylon.

- (a) Write 70% as a decimal. **(1 mark)**
- (b) Write 30% as a fraction.
Give your answer in its simplest form. **(2 marks)**
- (c) Write down the ratio of wool to nylon. **(1 mark)**

Question 2

Malika's father won £128.

He shared the £128 between his three children in the ratio 6:3:1.

Malika was given the biggest share.

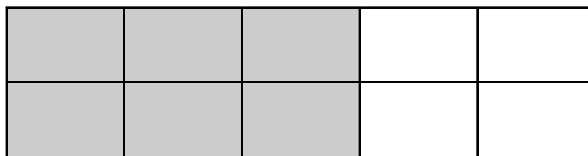
(a) Work out how much money Malika received.

Malika saved $\frac{2}{3}$ of her share.

(b) Work out how much Malika saved.

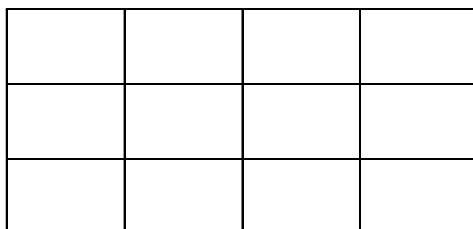
Question 3

- (a) Write down the fraction of this shape which is shaded.



(1 mark)

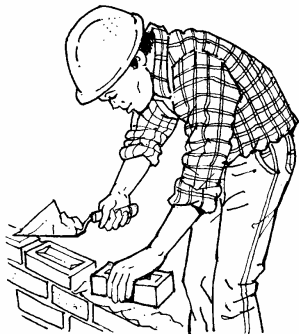
- (b) Shade $\frac{3}{4}$ of this shape.



(1 mark)

Question 4

It takes 6 men 8 days to build a wall.



All the men work at the same rate.

How long would it take 4 men to build a wall the same size?

Question 5

Mr. Singh shared £20 between his two children in the ratio of their ages.

Narinder is 7 years old and her brother is 3 years old.

Work out how much money Narinder received from her father.

Question 6

Cedric buys 12 pencils for £3.48.



Work out the cost of 20 pencils.

Question 7

Fatima has 35 CDs and tapes.

The ratio of the number of CDs to the number of tapes is 3:4

Work out how many CDs she has.

Question 8

Fred has a recipe for 30 biscuits.
Here is a list of ingredients for 30 biscuits.

Self-raising flour : 230g
Butter : 150g
Caster sugar : 100g
Eggs : 2

Fred wants to make 45 biscuits.

(a) Complete his new list of ingredients for 45 biscuits.

Self-raising flour :
Butter :
Caster sugar :
Eggs : **(3 marks)**

The recipe gives the baking temperature as 350° Fahrenheit, F.
A modern oven shows baking temperature in Celsius, C.

(b) Use the formula $C = \frac{5(F-32)}{9}$

to change 350° Fahrenheit to Celsius.

Give your answer correct to the nearest degree. **(3 marks)**

Gill has only 1 kilogram of self-raising flour. She has plenty of the other ingredients.

(c) Work out the maximum number of biscuits that Gill could bake. **(3 marks)**

Question 9

Recipe for Bread and Butter Pudding

6 slices of bread

2 eggs

1 pint of milk

150 g raisins

10 g margarine

This recipe is enough for 4 people.

(a) Work out the amounts needed so that there will be enough for 6 people.

..... slices of bread

..... eggs

..... pints of milk

..... g raisins

..... g margarine

(3 marks)

There are 450 g in 1 pound.

There are 16 ounces in 1 pound.

(b) Change 150 g into ounces.

(3 marks)

Give your answer correct to the nearest ounce.

Question 10

The cost of 5 metres of wire is £3.

What is the cost of 8 metres of the same wire?

£

(2 marks)

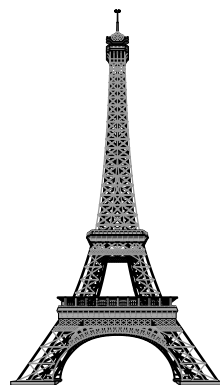
Question 11

Kylie went to Paris.

She changed £200 into French francs.

The exchange rate was £1 = 9.60 French francs.

(a) Work out the number of French francs Kylie got.



.....French francs
(2 marks)

Kylie brought 25 French francs back from Paris.

The exchange rate was now £1 = 10 French francs.

(b) Work out how much Kylie got in pounds.

£.....
(2 marks)

Question 12

Rashid has 35 sweets.
He shares them in the ratio 4:3 with his sister.
Rashid keeps the larger share.

How many sweets does Rashid keep?



(3 marks)

Question 13

**BUY £20 000
WORTH OF
PREMIUM BONDS
AND
ON AVERAGE
YOU'LL WIN
13
PRIZES A YEAR**

On average, someone with £20 000 in Premium Bonds should win 13 prizes each year.

Flora has £7 700 in Premium Bonds.

- (a)** Work out the number of prizes she should win, on average, each year. **(2 marks)**

Premium Bonds are sold in multiples of £10.

Rajesh works out that he is likely to win 9 prizes next year.

- (b)** Work out an estimate for the amount of money Rajesh has in Premium Bonds.

£
(3 marks)

Question 14

Stephen and Joanne share £210 in the ratio 6:1

How much more money does Stephen get than Joanne?

£

(3 marks)

Question 15

This is a recipe for making a Tuna Bake for **4** people.

Tuna Bake

Ingredients for **4** people.

400 g of tuna
400 g of mushroom soup
100 g of grated cheddar cheese
4 spring onions
250 g of breadcrumbs

Work out the amounts needed to make a Tuna Bake for **10** people.

..... g of tuna

..... g of mushroom soup

..... g of grated cheddar cheese

..... spring onions

..... g of breadcrumbs

(3 marks)