

Name _____

Question 1

Mr. Lee had a bag of red beans and a bag of black beans. 20% of the total number of beans were black, and there were 180 oz. more red beans than black beans. He transferred some red beans to the bag containing black beans so that the bag now contained 30% of the total number of beans. How many ounces of beans were there in the bag of mixed beans?

Answer: _____

Name _____

Question 2

Sarah bought 8 folders and 3 rulers. Lea bought 8 rulers and 3 folders. Sarah paid \$1.25 more than Lea. How much was each folder if each ruler was 45¢?

Answer: _____

Name _____

Question 3

An empty rectangular tank with a base area of $2,400 \text{ cm}^2$ is filled with water from 2 taps. One tap can fill the tank with 12 L of water per minute, while the other tap can do it at 3 L less per minute.

- (a) What will be the depth of water in the tank after both taps are turned on for 6 minutes ?
- (b) If water leaks from the tank at a rate of 2 L per minute for 6 minutes, what will be the depth of water in the tank ?

Answer: (a) _____

(b) _____

Name _____

Question 4

Andy had 20% fewer marbles than Henry. When Andy gave 80 marbles to Henry, the number of marbles he had left was half of what Henry had. How many marbles did Andy have in the beginning?

Answer: _____