EQUATIONS : WORD PROBLEMS

A balanced scale has a packet of sugar on its right pan. On its left pan, it has a packet of salt and a $\frac{2}{3}$-kg weight. The packet of salt is $\frac{2}{3}$ of the weight of the packet of sugar. What is the weight of the packet of sugar?

_____kg

Richard spent $\frac{3}{4}$ of a sum of money and gave away $\frac{3}{4}$ of the remainder. He had $6 left. How much did he have at first?

$_____

Shirley had 52 more coins than Jim after Jim gave $\frac{1}{5}$ of his coins to her. If they both had 260 coins in all, how many coins did Shirley have at first?

_____ coins

Ruth and Bob have $130 in all. Ruth and Kevin have $115 in all. If Bob has $1\frac{1}{2}$ times as much money as Kevin, how much money does Ruth have?

$_____

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Larry and Steve have 171 marbles in all. The number of marbles Larry has is 39 fewer than $\frac{3}{7}$ of the number of marbles Steve has. How many marbles does Steve have?

_____ marbles

In Farm A, $\frac{4}{5}$ of the number of sheep are equal to $\frac{1}{2}$ of the number of sheep in Farm B. The total number of sheep in Farm A and Farm B is 845. How many sheep are there in Farm B?

_____ sheeps

Martha and Mary had 375 jelly beans in all. After Mary ate 24 jelly beans and Martha ate $\frac{1}{7}$ of her jelly beans, they each had the same number of jelly beans left. How many jelly beans did each girl have at first?

_____ jelly beans

There is a total of 276 beads in Packet A and Packet B. There are 36 fewer beads in Packet B than $\frac{4}{9}$ of the number of beads in Packet A. How many beads are there in Packet A?

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_____ beads

A bag contains some red, blue, yellow, and green marbles. $\frac{3}{10}$ of the marbles are red, $\frac{2}{5}$ are green, and the rest are blue or yellow. There are twice as many blue marbles as yellow marbles. There are 17 fewer blue marbles than red marbles. How many marbles are there in all?

_____ marbles

A balanced scale has a bag of flour on its right pan. On its left pan, it has a bag of rice and a 1-kg weight. The bag of rice is half the weight of the bag of flour. What is the weight of 2 similar bags of flour?

_____ kg

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