

## Jack and the Beanstalk Problem Solving

This week we will be focusing on solving lots of different types of problems. Have a go at solving as many as you like. Please give your child as much support as needed as some of these are quite tricky and will be a new way of thinking for Year 1.

## Problem 1 Gold Coins

Jack has 4 piles of gold coins. He makes all 4 piles the same. He does it in just 2 moves. How does he do it?




## Problem 2 Bean - Bag Buckets



At the market Jack stopped to play a game at a market stall.
Jack threw 3 bean bags.
Each bag went into a bucket.
More than 1 bag can go in a bucket.
The number of points is labelled on each bucket.


1. What is the highest score Jack can get?
2. Find three ways to score 6.
3. Find 3 ways to score 9 .
4. What other scores can Jack get?

## Problem 3 Golden eggs



Three of Jack's hens lay some golden eggs.
Each bird lays an odd number of eggs.
Altogether they lay 19 golden eggs.
How many golden eggs did each hen lay?
How many ways can you find?
(remember odd numbers end in 1,3,5,7 or 9 )


## Problem 4 Jack and the Beanstalk

Jack climbed the beanstalk. He always went upwards


## Start

He first did it like this: left, right, left, right

Find five other ways that Jack can climb the beanstalk.

## Problem 5 silver coins



At the market Jack brought some food for his hens. He paid for the food using only silver coins. It cost him 45p.


There are nine different ways to make 45 p using only silver coins.
Find as many as you can.
Remember to use only silver coins.


What if the bags of food cost 50p?
How many ways would there be to make 50 p with silver coins. Remember you can use an extra coin this time.


