USE DIAGRAMS. IT HELPS a LOT.

1.   On Saturday and Sunday the lizard Limy ate 18 insects. On Sunday she went to a lizard party and ate twice as many insects as on Saturday. How many insects did Limy eat on each of the days?

Answer: 12 insects on Sunday and 6 insects on Saturday.

2. Very hungry Limy ate 36 insects in the next three days – on Monday, Tuesday, Wednesday. On Monday, the lizard ate twice less insects than on Tuesday and three times less than on Wednesday. How many insects vanished in Limy's stomach on each of these days?

Answer: 6 on Monday, 12 on Tuesday, and 18 on Wednesday.

3.   Once, insatiable as ever, Limy caught 22 insects, 4 TIMES more flies than caterpillars, and 4 more grasshoppers than flies. How many insects of each kind did the lizard eat?

Answer: 2 caterpillars, 8 flies, 12 grasshoppers.

4.   Can you figure out how many fish each fisherman caught if you hear the following conversation:

"Give me 3 fish and we will have the same number of fish", asked one of them.
"No, you give me 3 and I will have twice as many fish than you", answered another one.

Answer: 15 and 21 fish.

Magical Bridge No2.

5. There is a Magical Bridge that doubles the money you have in your pocket when you cross it, but every time you cross the bridge you lose 20 cents. Richard crossed the bridge 3 times and found one dollar in his pocket. How much money did he have before crossing the bridge the first time?

Answer: $0.3

6. The cat Flake caught a total of 120 mice in 4 days. Flake was getting better every day. The next day he caught the same number of mice as he did in the past four days combined. Assume that every day Flake caught as many mice as on all previous days combined. How many mice did Flake catch on each of these five days?

Answer: 15, 15, 30, 60 mice for each day.

7.   How many eggs are in the basket if you know that when grouped by 5s, then three eggs always remain. But if you put the eggs in groups of 7 no eggs are left over. It is also known that there is less than 30 eggs in the basket.

Answer: 28 eggs.

8. Last weekend Deanna, Carol, and Jenny drank many cups of tea. Deanna and Carol had ten cups, Carol and Jenny nine, while Jenny and Deanna had eleven. How many cups did each sister have ?

Answer: Jenny - 5 cups , Deanna – 6 cups, Carol – 4 cups.

9. Four hens lay 4 eggs in 4 days. How many eggs will 8 hens lay in 8 days?

Answer: 16 eggs.

10. There are three-headed and five-headed dragons. If the total number of heads is 16, how many dragons of each kind are there?

Answer: 2 five-headed and 2 three-headed dragons.