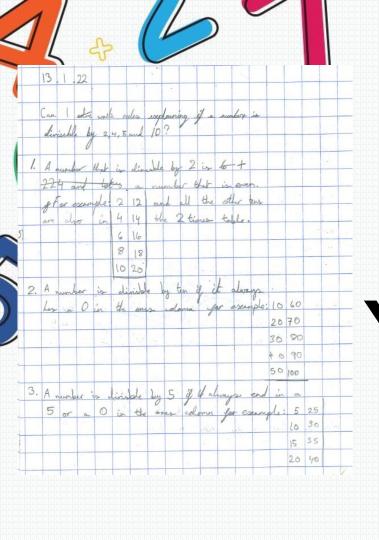




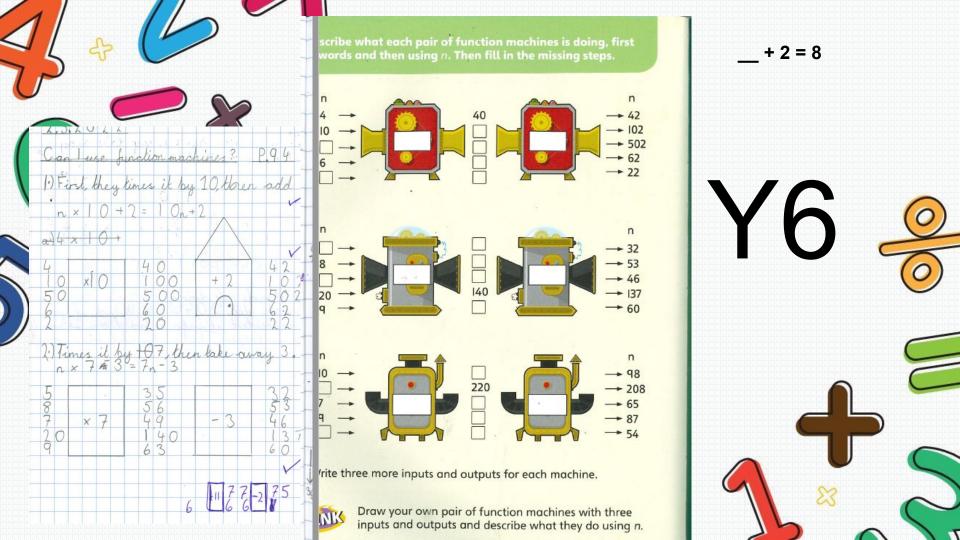
**Y4** 

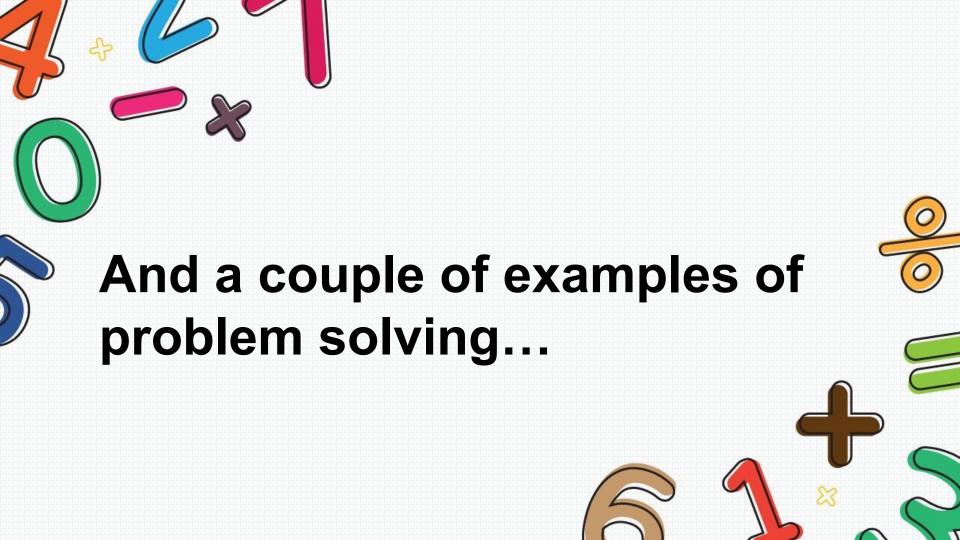


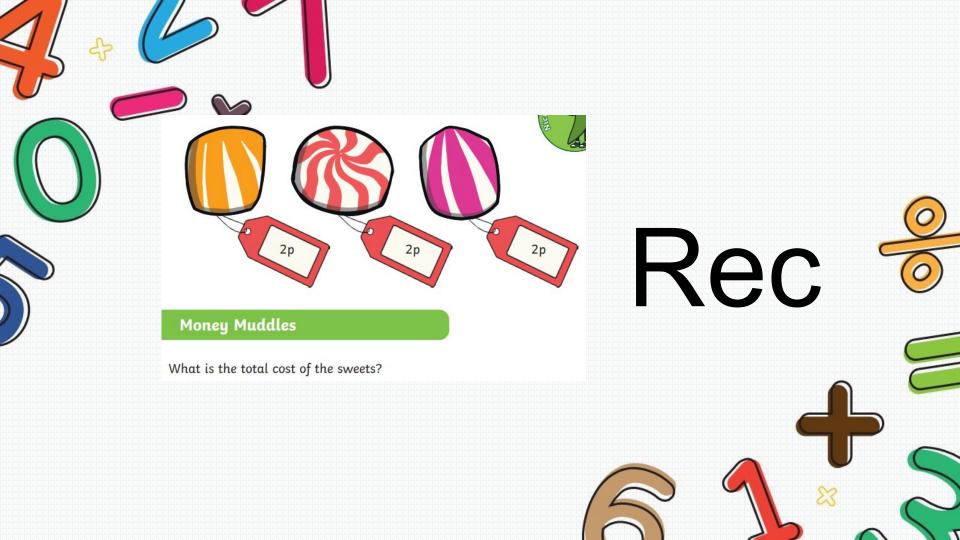


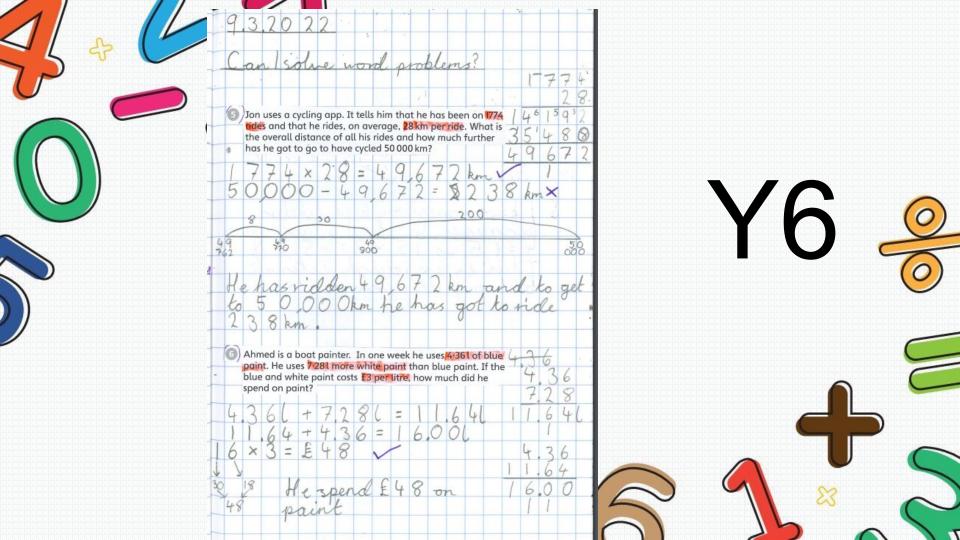


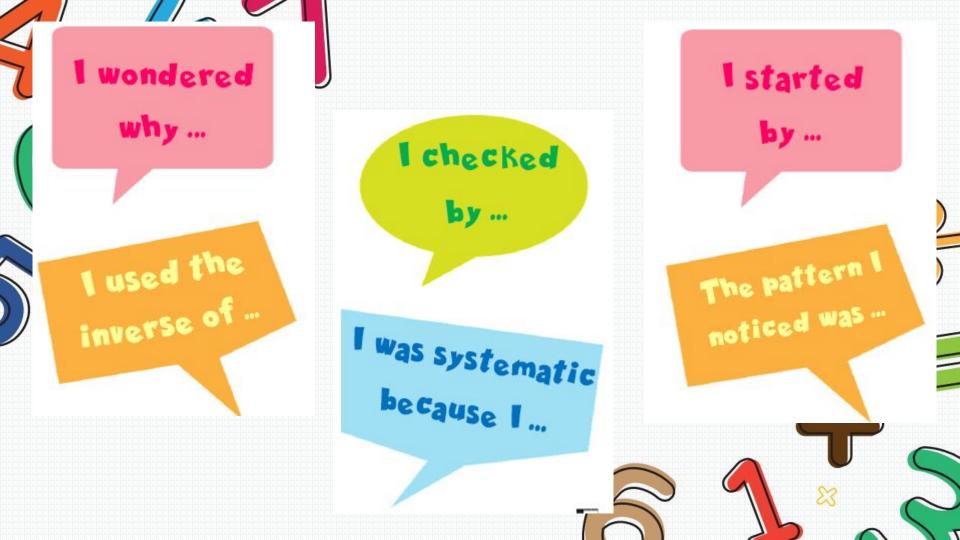
27 ones 36 45 54 63 72 81 14 22 three agian. to For comp 10 2+1 = 3 3 = 1+2 2+4 =6 6 = 1+5 2+7 = 9

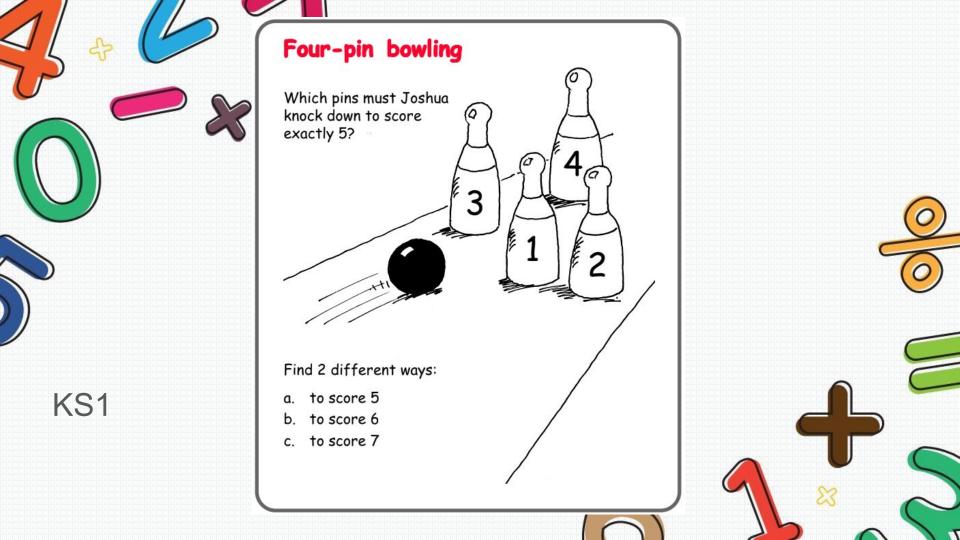














## Queen Esmerelda's coins

Queen Esmerelda had 20 gold coins. She put them in four piles.

- ◆ The first pile had four more coins than the second.
- ◆ The second pile had one less coin than the third.
- The fourth pile had twice as many coins as the second.

How many gold coins did Esmerelda put in each pile?



## Investigate

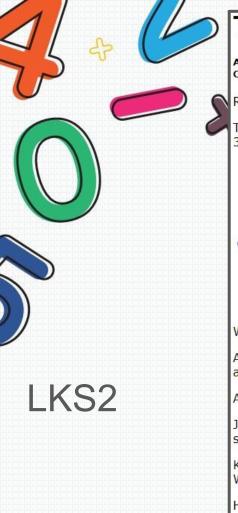
Make a 3-digit number. Each digit must be different.

Make another 3-digit number. Use the same digits.



Make the difference between the numbers as large as possible.

## Example Number 1: 2 5 7 Number 2: 7 2 5 The difference between 257 and 725 is 468.

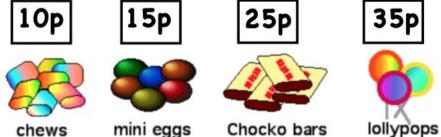


## The New Puzzling Sweet Shop

Age 7 to 11 Challenge Level \*\*

Rosie went into the sweet shop with 50p to spend.

There were chews for 10p, mini eggs for 15p, Chocko bars for 25p and lollypops for 35p.



What could she buy if she wanted to spend all her money?

Alice, James, Katie and Henry went into the shop too. They each had 100p to spend and they all spent all of their money.

Alice bought at least one of each kind of sweet. Which one did she have two of?

James spent his money on just one kind of sweet, but he does not like chews. Which sweets did he buy?

Katie bought the same number of sweets as James but she had 3 different kinds. Which sweets did she buy?

Henry chose 8 sweets. What could he have bought?

