Anna 15/6/20

Rows of coins

1. Take five coins: 1p, 2p, 5p, 10p, 20p.
   Put them in a row using these clues.
   The total of the first three coins is 27p.
   The total of the last three coins is 31p.
   The last coin is double the value of the first coin.

5p 2p 20p 1p 10p

2. Take six coins: two 1p, two 2p and two 5p.
   Put them in a row using these clues.
   Between the two 1p coins there is one coin.
   Between the two 2p coins there are two coins.
   Between the two 5p coins there are three coins.

5p 1p 2p 1p 5p 2p

What if you take two 10p coins as well, and between them are four coins?

10p 1p 5p 1p 2p 10p 5p 2p

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Teaching objectives
Solve word problems involving money.
Explain methods and reasoning.

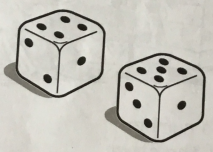
16/6/20

Roly poly

The dots on opposite faces of a dice add up to 7.

1. Imagine rolling one dice.
   The score is the total number of dots you can see.
   You score 17.
   Which number is face down? 4
   How did you work out your answer? we wrote down the opposite numbers we covered and number up to see it & the others added up to 17.

2. Imagine rolling two dice.
   The dice do not touch each other.



The score is the total number of dots you can see.
Which numbers are face down to score 30? & both dice are 6

Teaching objectives
Solve mathematical problems or puzzles.
Add three or four small numbers.
Explain methods and reasoning.

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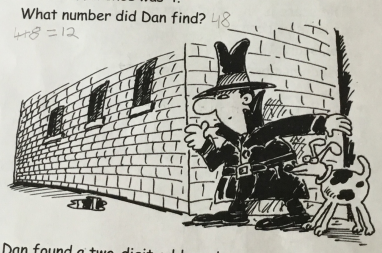
16/6/20

Dan the detective

1. Dan the detective looked for a number.
   He found a two-digit number less than 50.
   The sum of its digits was 12.
   Their difference was 4.
   What number did Dan find? 48
   4+8=12



2. Dan found a two-digit odd number.
   One of its digits was half the other.
   The number was greater than 50.
   What number did Dan find? 63

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Teaching objectives
Solve a given problem by organising and interpreting data in a simple table.
Write whole numbers in figures; know what each digit represents.

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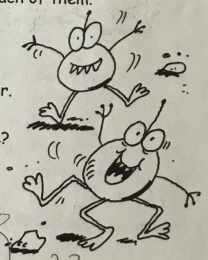
16/6/20

Spaceship

Some Tripods and Bipods flew from planet Zeno.
There were at least two of each of them.

Tripods have 3 legs.
Bipods have 2 legs.
There were 23 legs altogether.

How many Tripods were there?
How many Bipods?



Find two different answers.
5 x tM = 15 | 3 x tM = 9
4 x bi = 8 | 7 x bi = 14
23

Teaching objectives
Solve mathematical problems or puzzles.
Count on in steps of 2 or 3.
Know multiplication facts for 2 and 3 times tables.

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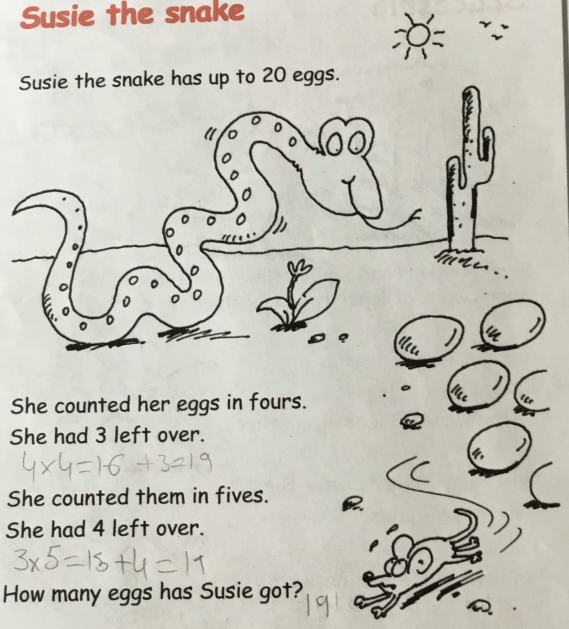
16/6/20

Susie the snake

Susie the snake has up to 20 eggs.



She counted her eggs in fours.
She had 3 left over.
4x4=16 +3=19
She counted them in fives.
She had 4 left over.
3x5=15+4=19
How many eggs has Susie got? 19

30

Teaching objectives
Solve mathematical problems or puzzles.
Know multiplication facts for 4 and 5 times tables.
Find remainders after division.

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