

Roly poly

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

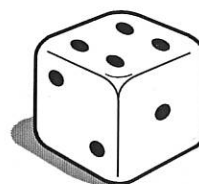
1. Imagine rolling one dice.

The score is the total number of dots you can see.

You score 17.

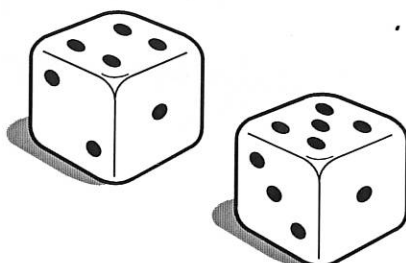
Which number is face down?

How did you work out your answer?



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?

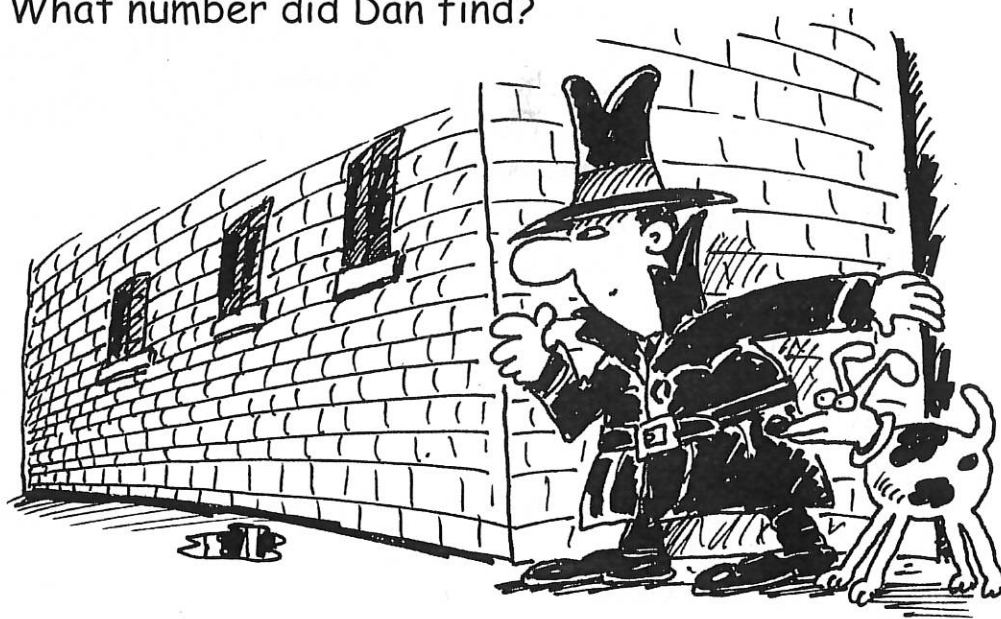
Teaching objectives

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

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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?



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?

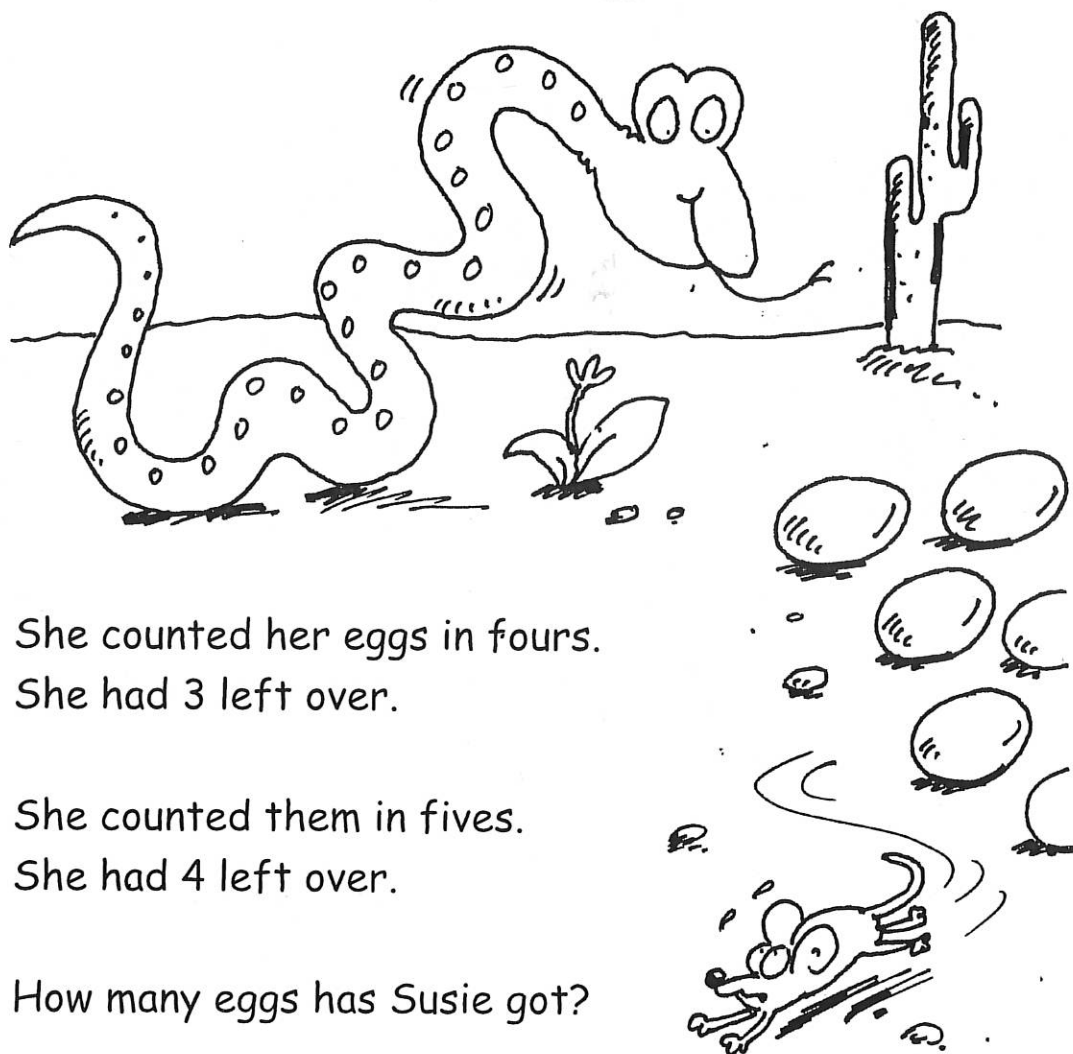
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Teaching objectives

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

Susie the snake

Susie the snake has up to 20 eggs.



She counted her eggs in fours.
She had 3 left over.

She counted them in fives.
She had 4 left over.

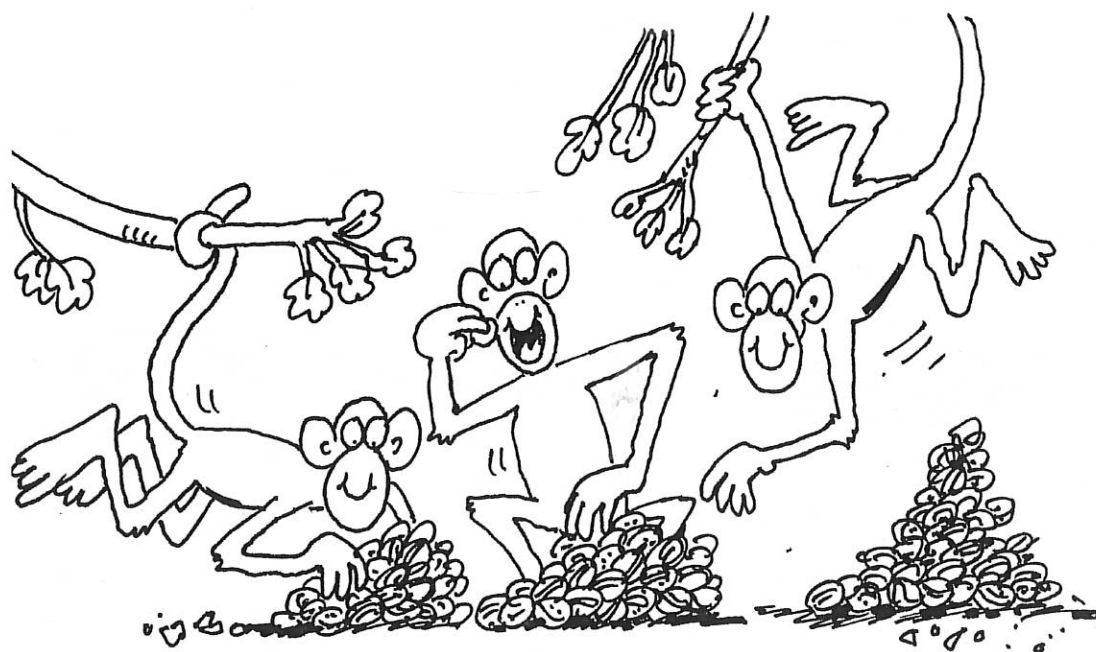
How many eggs has Susie got?

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Teaching objectives

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

Three monkeys



Three monkeys ate a total of 25 nuts.

Each of them ate a different odd number of nuts.

How many nuts did each of the monkeys eat?

Find as many different ways to do it as you can.

Teaching objectives

Solve mathematical problems or puzzles.

Recognise odd and even numbers.

Add three or four small numbers mentally.

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