

Problem-solving

Top Ten Mathematics
Subtraction
Unit 4



Magician

The magician on Friday night was epic! She did 74 card tricks, 86 hat-related tricks and 152 escape tricks.

The magician on Saturday night performed 280 tricks.

Who did more and by how much?



Doughnuts

Do you like doughnuts? I do!

Last year, I ate 132 sugar-glazed doughnuts, 78 vanilla doughnuts, 25 strawberry frosted doughnuts, 56 caramel doughnuts, and 83 chocolate doughnuts.

How many more sugar-glazed and strawberry donuts did I consume, compared to caramel and chocolate?



Your sister doesn't
get it

Your sister thinks you are lying about what you have been learning this week at school, because subtraction only means 'take away' and there is no such thing as 'difference between.'

Convince her she is wrong, using at least 20 real-life examples of difference between that she could understand and see in everyday life.



The Veggie Farm

On a vegetable growing farm, there are 134 birds, 55 cats, and some dogs.

If there are 395 animals in all (there are only birds, cats and dogs on this farm), how many dogs are on the farm?



Basketball

In a basketball game, Nathan, Jackson and Sam scored 106 points altogether.

Nathan scored 15 more points than Jackson.

Jackson scored 7 fewer than Sam.

How many points did Sam score?



The Cinema

Our school went to the cinema to celebrate the end of term. There are 560 children and 387 fewer adults in the cinema.

a) How many people in the audience altogether?

b) If each row holds 40 people, how many rows will the school fill and need to pre-book tickets for?



The Dog Park

At the dog parade on Saturday, there were 346 dachshunds and 682 labradors.

- a) How many labradors and dachshunds were in the parade?
- b) How many more labradors were there, compared to the dachshunds?
- c) There were 757 more tea-cup poodles than dachshunds. How many more tea-cup poodles were in the parade, compared to the dachshunds and labradors combined?

Make your
own

Create three of your own worded problems
to swap with a partner.

Make these challenging:

- Include irrelevant or distracting information.
- 2 or 3-part question, or 2-3 steps within the single question.
- More than one operation.
- Challenging/ugly numbers.