

Number Problems

1. Sir Godfrey collects gems. He has been collecting them for 3 years. His favourites are rubies. Altogether he has 233 gems. 75 of these are rubies. How many of his gemstones collection are not rubies?
2. Dibbler set up a drinks stall at the inter-school sports event. His orange squash cost 23p. He had 47 customers all buying orange squash. How much money did he make? Write your answer in pounds and pence.
3. Sanjay has saved up £76 in his money box. This took him 9 months of saving. He decides to spend it on new football equipment. Boots cost £35.99, shinpads cost £11.99, a new football costs £9.99 and a Michael Owen skills video costs £12.95.
 - a) How much money does Sanjay spend?
 - b) How much money does he have left over?
4. Charlotte has to take some cough medicine for a tickly cough. She gets a full bottle of medicine, holding 275ml. Each dose is 5ml. How many doses is Charlotte able to take before the medicine runs out?
5. Enrique Iglesias was at number 1 with the song Hero for 4 weeks. What length of time would that be in hours?
6. Geoffrey has a job making holes in trainers for the laces to go through. Each trainer needs 12 holes, and Geoff can finish 68 **pairs** of trainers in one day. How many holes can he make in one day.

Geoff's friend, Polly, does the same job. Her shoes need only 8 holes making in each of them. Polly can finish 112 **pairs** of shoes in one day. Who can make more holes in a day, Polly or Geoff?

7. Zorg the friendly, although rather slimy alien has got a top of the range spacecraft. It can travel 48 light years in one week. What is the distance it can travel in one year?
8. Warner Brothers are planning to build a new cinema complex in the area. The building would house 3 cinemas and 2 cafes. They would also build 8 toilets and 2 disabled toilets. As chief designer you would need to work out the cost of the complex. Use the information below to work this out:

<u>Area of Complex</u>	<u>Cost</u>
1 Toilet	£2,922
1 Disabled Toilet	£3,154
1 Café	£12, 843
1 Cinema	£91,476