1. a) Round each number in the calculation 88745 – 56642 to the **nearest** **ten thousand.**

Subtract these rounded numbers to give an approximate answer.

b) Calculate the **actual** difference between the two numbers.

1. Calculate £13856.06 + £5670.78 + £3407.45
2. At the beginning of the year, there was £84452.64 in the school budget. By the end of the year, £27864.09 had been spent. How much is left in the school fund?
3. At a weekend summer fair, £19673 was raised on the Saturday and £16432 was raised on the Sunday.

At a similar fair in winter, £18347 was raised on the Saturday and £12084 was raised on the Sunday.

 a) How much was raised altogether?

 b) How much more was raised at the summer fair than at the winter fair?

1. Here are some distances:

**Journey Distance (kilometres)**

London to Paris 934 km

London to Rome 1461 km

Rome to Paris 1186 km

A plane flies from London to Rome and then on to Paris.

How much further is this than flying direct to London to Paris?

1. Round these numbers to the **nearest ten** **thousand** to find an estimated answer.

623751 + 53624 + 96431 =

1. A ship arrived at a port carrying 497657 tonnes of cargo. 39598.6 tonnes of cargo were unloaded. The ship was then loaded with 65801.7 tonnes before leaving the port.

How much cargo was on the ship?

1. The organisers of a concert raise £154763.36 in ticket sales and £14763.04 selling merchandise.

They have to pay the groups£43650.35 and pay other expenses of £25715.13.

How much money do they make for themselves?

1. The populations of the three largest towns in a county were 340754, 125534 and 538291.

What was the total population of these three cities?

1. A company has two factories that make mobile phones.

The company records the number of mobile phones made each year in a table.

 **Hillside Factory Green Lane Factory**

**2012** 3461675 2759643

**2013** 2984631 4713054

1. How many more mobile phones were made in 2013 than in 2012 by the Green Lane Factory?
2. How many more mobile phones were made by the Hillside factory than the Green Lane Factory in 2012?
3. I am thinking of two numbers.

One of the numbers is 718934.

The difference between this number and the other is 483341.

What is the other number?

**Extension**

1. A builder turns an old house into four flats.

He sells them for £125500.46, £135750.04 and £155000.

But he had to pay £375000 to buy the house, he paid his workers £37675.35 and he had to pay £85672.20 for materials.

How much money did he make?

1. Katy adds 587645, 674677 and 28546.

To check she rounds the numbers to the **nearest hundred thousand**.

She says, ‘My answer should be about 1,300,000,’

What mistake could Katy have made in her rounding?

1. Laura buys a round the world airline ticket and books these flights.

**Journey Distance in km**

London, UK to Hong Kong 9654

Hong Kong to Sydney, Australia 7362

Sydney, Australia to Rio de Janeiro, Brazil 13643

Rio de Janeiro, Brazil to Los Angeles, USA 10324

Los Angeles, USA to London UK 8558

How far did Laura fly in total?

1. A car dealer checks his stock of cars. He has 6 cars for sale.

The prices of the cars are:

£5000, £6700, £8400, £11450, 13450 and £14400.

He sells two cars and the total value of his stock is now £40,000.

What was the value of each of the two cars he sold?

1. A football stadium has 48654 seats.

24651 of the seats are used by season ticket holders, 1644 seats are in boxes and 1423 are used by guests of the club.

How many seats are available for sale?

1. A factory has a stock of 581,764 boxes.

376,699 boxes are used.

How many boxes are left?

1. Use rounding to the **nearest ten thousand** to find an estimated answer to:

56833 + 48654 + 31542 + 83326 =

1. Tom adds three numbers together and gets the total 3445631.

Two of the numbers are 657403 and 642899

What is the third number?