ROUNDING

Write down all the numbers that, when you round them to the nearest ten, give 70.

How many numbers are there?

Try this again with some other multiples of ten.

Comment.

Try this with multiples of 100 rounded to the nearest hundred. What do you notice?

Work with a group of about 4 friends.

Measure your heights….

to the nearest metre

to the nearest centimetre

to the nearest millimetre.

Which is the most sensible approximation and why?

Think of two six-figure numbers. (Differentiate if necessary)

Approximate both numbers to the nearest hundred thousand; work out this estimated total and the error from the correct total.

Approximate both numbers to the nearest ten thousand and repeat.

Approximate the numbers to the nearest thousand and repeat.

Approximate the numbers to the nearest hundred and repeat.

Approximate the numbers to the nearest ten and repeat.

Now write down the six error figures in order. Comment on what you notice.