

Estimation and Rounding

Number Money and Measure

Level 4

An investigation into the practical impact of inaccuracy and error. Using knowledge of tolerance when choosing the required degree of accuracy to make real life calculations.

- ✓ Rounding to significant figures
- ✓ I recognise the significance in rounding in multi-step processes.



Level 3

I can round a number using an appropriate degree of accuracy, having taken into account the context of the problem.

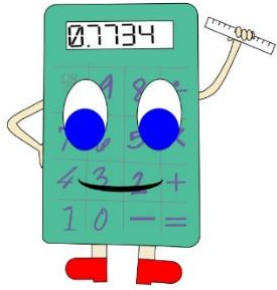
- ✓ I regularly use rounding as an estimation to check my answers.
- ✓ Rounding decimals to three decimal places.



Level 2

I can use my knowledge of rounding to estimate the answer to a problem.

- ✓ Rounding whole numbers to the nearest 1000, 10 000 and 100 000
- ✓ Rounding decimals to the nearest whole number, to one decimal place and to two decimal places.



Number and Number Processes

Number Money and Measure

Level 4

I use the correct order of operations when carrying out calculations.

$$5 - (2 \times 3)$$

Anisha thinks the answer to the above question is 9.

Avril thinks the answer to the above question is -1.

Who is correct? Give a reason for your answer.



Level 3

I can use my knowledge of numbers less than zero to solve simple problems in context.

The temperature in Edinburgh overnight was -3°C . By 11am it has risen by 5°C .

What is the temperature in Edinburgh at 11am?



Level 2

I can work with decimals and can explain the link between a digit, its place, and its value.

List the numbers in *ascending* order:

3.2

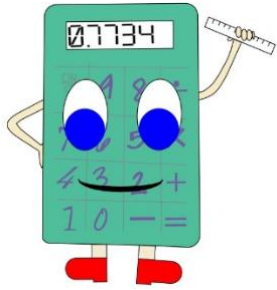
2.9

2.84

3

2.101

3.01



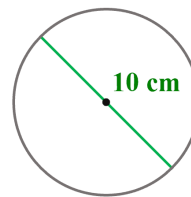
Properties of 2D shapes and 3D objects

Shape, Position and Movement

Level 4

I can apply my knowledge of radius and diameter to calculate the area and circumference of a circle.

Calculate the area of the following circle,



Level 3

I can accurately draw 2D shapes using appropriate Mathematical instruments and methods.

With the use of a ruler and protractor, draw an equilateral triangle with sides, 5cm.

Level 2

I can recognise the relationship between 3D objects and their nets.

Shown is the net of which 3D object?

