Year 6 - Solving Maths Problems

Understand the problem

- What is happening in the problem?
- What is the question you are being asked to answer?

<u>Make a plan</u>

- What do you know from the problem?
- What else do you know from the problem?
- Can you draw a bar model or picture to help you understand the problem?
- What do you need to work out using the information you have?

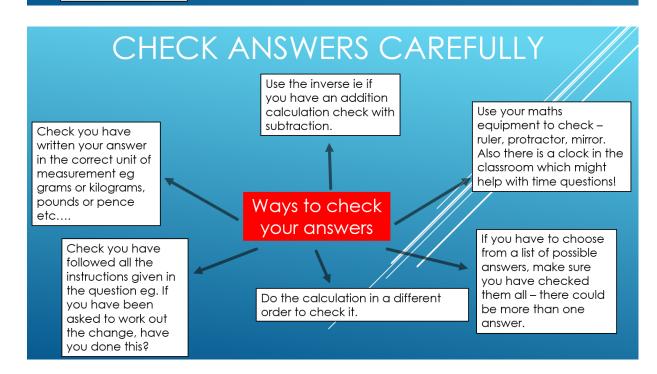
Calculate

- How many calculations do you have to do?
- Which method/s are you going to use?

Check your answer

- Have you answered the question?
- Have you carried out all the calculations needed?
- Have you checked your arithmetic?

SHOWING YOUR WORKING OUT Even if there is not a working out box with the question, it is important to do some form of working out to reach the answer Annotating a Formal written diagram Using equipment eg a calculations eg column protractor to measure angles and then adding addition, column labels to the angles or using the corner of a ruler subtraction to check for right angles. etc... Working Out Informal jottings eg Using a mirror to writing out a list of check symmetry multiples, drawing a number line to work Drawing a picture/diagram out differences in eg a fraction wall, a real life time or picture etc... temperature.



THESE THINGS CAN CATCH THE CHILDREN OUT Different units of Comparing or When questions ask you measurement used in calculating with a question means you to use numbers in a fractions with particular way ie use all need to convert to the different same unit. Eg £ and p, the numbers below to denominators (the create a multiple of 5 g and kg. bottom number) between 2045 and 2167 means you need to with the digit 6 in the tens convert them so column. they have the same What to look denominator. out for When questions give Maths vocabulary you lots of instructions make sure you know - read them carefully the definitions eg and check you have volume, area, followed them all. perimeter, factor, Questions with fractions, decimals and percentages - you may have multiple etc... to convert them so they are all written in the same way.