

## Weekly Maths Challenge - Term 3 Week 1



These questions are aimed to generate mathematical discussions within your family and to develop critical thinking - a major skill required for success in Mathematics.

The questions are open-ended which means there is no one correct answer but a variety of possible solutions. It is important that you encourage your child to persevere and challenge themselves during these tasks.

Our focus in Mathematics is for children to explain the process they use to solve a question. Here are some examples of questions you can ask your child when they are solving these problems:

- Prove to me your answer is correct.
- How did you work that out?
- Explain to me how you solved that question.
- Is there another way to solve that?

**Enjoy solving this week's challenges.**

<p><u>Early Stage 1</u></p> <p>What do you know about this number?</p> <p><b>9</b></p> <p>You can use words, pictures, diagrams, numbers etc.</p>	<p><u>Stage 1</u></p> <p>Mrs Phegan ordered some ice creams to sell in the canteen, but she forgot how many she ordered.</p> <p>She remembered it was more than 100 and there was a zero in the tens place.</p> <p>How many ice creams might Mrs Phegan have ordered?</p>
<p><u>Stage 2</u></p> <p>The answer is:</p> <p><b>437</b></p> <p>What are the questions?</p>	<p><u>Stage 3</u></p> <p>Isla is buying fruit for a picnic. She needs at least 100 pieces, but doesn't want more than 110.</p> <p>The fruit shop sells fruit in bags. Apples come in bags of 10, oranges come in bags of 8, passionfruit come in bags of 12 and pears come in bags of 6.</p> <p>What combinations of fruit bags could Isla buy for the party?</p>