

Year 2 Maths Lesson Plan		Resource Checklist
Solve a problem using addition and subtraction: Lesson 1		<ul style="list-style-type: none">• PBuzzes• Data sheets of the boys and girls in each class for your school (or use the one provided in the resources area)• Whiteboard and pen• Paper and pencils for written methods to be recorded.
Learning Objective & Outcomes		
<p>Learning Objective: To find out how many pBuzzes are needed</p> <p>Learning Outcomes: I can solve a problem by adding or subtracting numbers I can work out how many pBuzzes are needed for everyone to play</p> <p>National Curriculum Coverage: To solve problems with addition or subtraction, applying their increasing knowledge of written and mental methods</p>		
Starter		
<p>Play 'Pass the Buzz'. Each child in turn blows one note around the circle. Ask the children how they could find out how many notes were played? That's right, we could count how many children are in the circle!</p> <p>Play 'Pass the Buzz' again and this time ask each child to blow two notes. How can we find out how many notes were played? That's right, we could count in twos round the circle.</p> <p>Repeat this activity with 3s, 4s and 5s, depending on the ability level of your class.</p> <p>Key Questions:</p> <ul style="list-style-type: none">• How could we tell the total of the notes played? <i>(We counted in 2s/3s/4s/5s)</i>• What would happen if one of us was away? How many would there be then? <i>(Count one less)</i>• Is there a quicker way of working the new total out? <i>(Subtract 2/3/4/5 from the original total)</i>		
Main		
<p>Tell the class that you want to find out how many pBuzzes would be needed for everyone in the school to play. Discuss the way this can be done. Provide them with the numbers of boys and girls in each class. <i>(either use your own school's data or use the worksheet provided)</i> How many boys and girls are there in our class? How many adults work in our classroom? Remind/show them how to write an addition calculation using whichever method you wish to focus on to work the total out.</p> <p>Key Questions:</p> <ul style="list-style-type: none">• How can you make sure you are adding correctly?• Which digits do we add first?• Is your answer clear to each addition? <p>Differentiation:</p> <p>For children working at emerging level</p> <ul style="list-style-type: none">• Ask them to work out the total of the pupils in each class by adding together the number of boys and girls in each class. <i>(This should give them addition calculations of 2-digits + 1 or 2-digits)</i> They should use a written method and be supported by the teacher or a teaching assistant. <p>For children working at expected level</p> <ul style="list-style-type: none">• Ask them to work out the total of the pupils in each key stage by adding together the number of boys and girls in each class and then adding the classes' totals together. <i>(addition calculations of 2-digits + 2-digits)</i> They should use a written method. <p>For children exceeding expectations</p> <ul style="list-style-type: none">• Ask them to work out the total of the pupils and staff in each class, and then each key stage using a written method. <i>(2-digits + 1, 2 or 3 digits)</i>		

Plenary

Collect the answers from the class, discussing the method of working each part out as you go.

Key Questions:

- How many pBuzzes do we need for each class? (Ask the emerging group)
- How many pBuzzes do we need for KS1? KS2? How can we work it out? (Ask the expected group)
- How many pBuzzes do we need for all of the children and adults in the school? How can we work it out? (Ask the exceeding group)
- How could we find out how many children need pBuzzes in the school only? Without the adults?
- How many adults need pBuzzes? How can we find it out?
- Have we found an answer to my question at the beginning of the lesson?

Assessment & Evaluation

What to look for:

Children can use addition and subtraction to solve the problem
Children can show written methods of calculating the answers to the addition and subtraction

How will you know if the lesson has been successful?

Could all the children count in 2s/3s/4s/5s together?
Could they all use written methods to add two numbers?
Could most of them add two 2-digit numbers and understand how to solve the problem?
Could some of them add 2-digit and 3-digit numbers?
Could some of them explain how to find the total number of children?

Notes for Next Time

This space is for you to reflect on the lesson and add any notes you need.

