

Mental Addition : Maths : Year 3 : Autumn Term

| | Learning Objective | Overview | Assessment Questions | Resources |
|-----------------|---|--|--|---|
| Lesson 1 | To be able to add numbers mentally. | Children will solve quick-fire addition questions involving adding single digits and multiples of ten to three-digit numbers. Children are challenged to increase their speed in solving such problems. | <ul style="list-style-type: none"> • Can children add a one-digit number to hundreds mentally? • Can children add a two-digit number to hundreds mentally? • Can children add a three-digit number to hundreds mentally? | <ul style="list-style-type: none"> • Slides • Worksheet 1A/1B/1C • Calculation Cards A/B/C (FSD? activity only) • Calculators (FSD? activity only) |
| Lesson 2 | To be able to solve worded addition problems mentally. | Children will identify the important information within a word addition problem and use their mental skills to solve problems that involve adding single digits, multiples of ten and multiples of one hundred to a variety of numbers. Children can match questions to the correct answer or use calculation statement to create their own word problems. | <ul style="list-style-type: none"> • Can children understand what a worded problem with addition information is asking them? • Can children solve addition word problems? • Can children solve addition word problems mentally? | <ul style="list-style-type: none"> • Slides • Question and Answer Cards A/B/C • Calculation Cards A/B (FSD? activity only) |
| Lesson 3 | To be able to use the inverse to check an addition problem. | Children will learn how to use the inverse to check mental addition calculations. Children will use a number line to check the accuracy of their work. The focus is on addition although the reciprocal link between checking subtraction calculation using addition is also expressed. | <ul style="list-style-type: none"> • Can children solve addition problems? • Can children solve addition problems mentally? • Can children use the inverse operation to check answers? | <ul style="list-style-type: none"> • Slides • Worksheet 3A/3B/3C • Word Question Cards A/B (FSD? activity only) |
| Lesson 4 | To be able to add amounts of money mentally and give change using pounds and pence. | Children will learn to adjust the prices of various objects in single digits and multiples of ten in both pence and pounds and pence. They will also solve problems that involve finding change from certain amounts. | <ul style="list-style-type: none"> • Can children add amounts of money using pounds and pence? • Can children add numbers mentally? • Can children use subtraction to work out how much change should be given? | <ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Objects and price tags (FSD? activity only) • Pretend money (FSD? activity only) |
| Lesson 5 | To use known addition and subtraction facts to solve missing number problems. | After quick-fire question to mentally add single digits and multiples of ten to three-digit numbers, children will use known number facts to solve missing number problems within addition calculations, reinforcing understanding of the inverse relationship between addition and subtraction. | <ul style="list-style-type: none"> • Can children recall addition facts mentally? • Can children solve missing number problems? • Can children check an answer using the inverse? | <ul style="list-style-type: none"> • Slides • Worksheet 5A/5B/5C/5D • Cover Cards (FSD? activity only) • Sticky tack (FSD? activity only) |