Y3 Maths Medium Term Plan: Autumn Cycle

Back to School	Addition	Number Bonds	Subtraction using inverse to check	Addition	Multiplication x3, x4, x8 Tables	Contingency weeks to give space for longer than a week for some areas or single session recall of taught topics.	Back to School	Multiply & Divide (1 & 10 & 100)
Place Value Read, write and recognise PV in H.T.O.		Factors	2D Shape Perimeter	Measure Use & Compare Standard Units	Number Bonds		Place Value order and compare	Subtraction

Week	Arithmetic	Reasoning
1	Back to school	**Place Value** **Recall from Y2: Read, write and recognise the place value in two-digit numbers** **One Star:** L: Can I read, write and recognise the **place value** in 2-digit numbers? Q: What is the value of the underlined digit? **7**4 **Two Star:** Can I Can I read and write 3-digit numbers using **partitioning**? Q: Partition 326. 300 + 20 + 6 = H: __+ T: __+ O: __ **Teach for Y3: Can I (r**ead, write and) recognise the place value numbers up to 1000? Q: What is the value of the underlined digit? 9**7**3
2	**Addition** **Recall from Y2: Add numbers with up to two digits, using efficient written methods** **One Star:** L: Can I add a 2-digit number to a multiple of 10? Q: 56 + 10 = **Two Star:** Can I add a 3 digit and a 2-digit number using the formal written method? Q: 213 + 35 = **Teach for Y3:** Can I add 3-digit numbers using the formal written method? Q: 146 + 432 =	
3	**Number Bonds** **Recall from Y2: Understand number bonds to 20.** **One Star:** L: Can I identify number bonds to 10? Q: 7 + __ = 10 **Two Star:** Can I identify number bonds to 20? Q: 12 + ___ = 20 **Teach for Y3:** Can I Identify number bonds to 10, 20 and 100? Q: 70 + ___ = 100	**Factors** **Recall from Y2: N/A** **One Star:** L: Can I understand factor pairs in the 2x multiplication tables? Q: Which 2 numbers must be multiplied together to get 12? ____ x ____ = 12 **Two Star:** Can I understand factor pairs in the 2 and 5x multiplication tables? Q: Find a factor pair of 25. **Teach for Y3:** Develop understanding of factors (and factor pairs) for 2, 3, 4 and 5 multiplication tables. Q: Find a factor pair of 21.
4	**Subtraction** **Recall from Y2: Understand number bonds to 20 securely** **One Star:** L: Can I subtract a multiple of 10 from a 2-digit number? Q: 56 – 10 =	**2D Shape** **Recall from Y2:** **One Star:** L: Can I identify the properties of different 2D shapes? Q: What are the properties of the shapes below?

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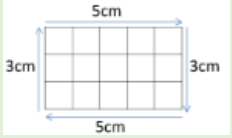
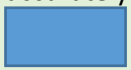
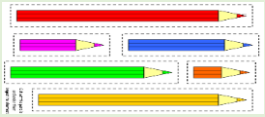
	Two Star: Can I subtract a 2-digit number from a 3-digit number using the formal written method? Q: 487 – 76 = **Teach for Y3:** L: Can I subtract 3-digit numbers using the **formal** written method? Q: 379 – 154 =	 A triangle has ___ sides. A triangle has ___ corners.  A pentagon has ___ sides. A pentagon has ___ corners. **Two Star:** Can I calculate the perimeter of simple 2D shapes? (measurements provided) Q: Find the perimeter of the shape below:  **Teach for Y3:** L: Can I measure the perimeter of simple 2-D shapes? Q: Find the perimeter of the shape below. Use a ruler to measure each side accurately.  Perimeter = _____ cm
5	**Addition** **Recall from Y2: Starting with larger number, show that addition is commutative (but subtraction is not)** **One Star:** L: Can I add 1-digit numbers? Q: a. 2 + 4 =___ 4 + 2 = ___ b. 3 + 5 = ___ 5 + 3 = ___ **Two Star:** Can I add 2 digit and 3-digit numbers using formal written methods? Q: 235 + 43=____ Now try, 43 + 235 = ____ What do you notice about the answer? Why has the answer remained the same? What does this tell you about the order of the numbers when you are adding them together? **Teach for Y3:** L: Can I add 3-digit numbers, using formal written methods and recognise commutativity? Q: 379 + 120= ____ Now try, 120 + 379 = ____ What do you notice about the answer? Why has the answer remained the same? What does this tell you about the order of the numbers when you are adding them together?	**Measure** **Recall from Y2: Choose and use standard units to estimate and measure; m/cm, kg/g, l/ml and °C** **One Star:** L: Can I choose and use standard units to estimate and measure m/cm? Q: Cut out the different sized pencils. Order them from longest to shortest.  **Two Star:** Can I use and compare lengths (m/cm)? Q: Use < > or = to compare the lengths below: 5m __ 200cm **Teach for Y3:** Use, compare (add and subtract) standard units including lengths (m/cm/mm), mass (kg/g), volume/capacity (l/ml). L: Can I use and compare lengths (m/cm/mm)? Q: Use < > or = to compare the lengths below: 3m __ 3000mm
6	**Multiplication** **Recall from Y2: Recall and use multiplication facts for 2, 5 and 10-multiplication tables.** **One Star:** L: Can I recall and use multiplication facts for 2, 5 and 10x multiplication tables? Q: There are 10 crayons in a box. 	**Number Bonds** **Recall from Y2: Understand number bonds to 20.** **One Star:** L: Can I identify number bonds to 10? Q: 2 + __ = 10 **Two Star:** Can I identify number bonds to 20? Q: 7 + ___ = 20

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	How many crayons are there all together? **Two Star:** Can I recall and use multiplication facts for 2, 3 and 10x multiplication tables? Q: There are 7 pots. Each pot contains 2 seeds. How many seeds are there altogether? **Teach for Y3:** L: Can I recall and use multiplication facts for 3, 4 and 8x multiplication tables. Q: Sally has 3 pots. She puts 4 pencils in each pot. How many pencils are there altogether?	**Teach for Y3:** L: Can I identify number bonds to 10, 20 and 100? Q: 60 + ___ = 100
7	**Consolidation Weeks**	
8		
9	Back to school	**Place Value** **Recall from Y2: Compare and order numbers up to 100 using < > =** **One Star:** L: Can I compare and order numbers up to 100 using < > =? Q: Compare the numbers below by using either < > or =.63 ___ 22 **Two Star:** Can I compare and order numbers up to 500 using < > =? Q: Compare the numbers below by using either < > or =.182 ___ 356 **Teach for Y3:** L: Can I compare and order numbers up to 1000 using < > =? Q: Compare the numbers below by using either < > or =. 542 ___ 657
10	**Multiply & Divide** **Recall from Y2: Multiply and divide one and two-digit numbers by one and ten** **One Star:** L: Can I multiply one and two-digit numbers by one and ten? Q: 24 x 10 = **Two Star:** Can I multiply three-digit numbers by one and ten? Q: 321 x 10 = **Teach for Y3:** L: Can I multiply three-digit numbers by ten and a hundred? Q: 423 x 100 =	**Subtraction** **Recall from Y2: Subtract numbers with up to two digits, using efficient written methods** **One Star:** L: Can I subtract 2-digit numbers using written methods? Q: 68 – 21 = **Two Star:** Can I subtract a 2-digit number from a 3-digit number and use inverse operations to check my answers? Q: 154 – 23 = _____, _____ + 23 = 154 **Teach for Y3:**. L: Can I subtract 3-digit numbers and use inverse operations (using formal written methods) to check my answers? Q: 325 – 114 = ____ + 114 = 325