| EYFS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cardinality and Counting | Comparison | Composition | Pattern | Shape and Space | Measures |
| say umber worss is sequence |  | İentif smile rumbers witin a number (coneeptual subitisisg) | Continue an AB patem | Move botht hemseves and objects around, so thers see thingst fom different | Recognise eatributes of measure end use vocatuay to dessibie them. |
| Count obiects in ireegurararagement | Check that foups are equal by matching on a onetotoone basis. | Partition a number in arage of ways and didentify that the paiss of fumbers | Copan a A paterm | persectives. | Comprere continuos quantites |
| Count objects fom a lagere group. | Say which numberis lageer by countingor oratching oneto-o.one. | mate the same toalal | Create their own AB pateem | Visalise how thing will apper when tured around and imgening | Sthw an awrerenes of comparison in etimating and prediciting |
| Link the number smmol (uumeal with it cardinal number vale. | Compare unmbers that ate fera past, neart o and next to ecch other. | allyeall without eferenee to otymes, counting or othe | Spota error in an AB patem | things might fit ogether. | Compare indifecty. |
| Subisise (reegenise quantites without conting) up to | Sy y wen a number does not match a quantity. |  | Idenifit the unit of epeat n a pattern. | Maxe constructions, paterens and pictues, and selectsthopes which will fit | Recogisie the elationstip betwen the size and number of un |
| Match numeart to quantity | Cogise thatit the a do one they will get the next number and it they |  | Continue an ABC patem |  | Use units to compare thines. |
| Recognise amounts that amounts that have been rearranged remain the same, if nothing has been added or taken away (conservation). |  | Understand that group that has been partitioned can be recombined to make | Continue a $A$ AB paterem. | Nootice the results of otating and efelecting mages, and in visulalisg them. | Usetime to sequence evensts. |
|  |  |  | Contiuve a A ABC Patern | Use the language of ofosition and direction. | Experience specific time spans in order to start to develop an overall sense of |
|  |  | an twogroups. |  |  |  |
|  |  | Stand how many thing sare hiden fom a known quantity. | Spota error in an ABB paterss. | Explore shapes, |  |
|  |  |  | Use smbols torereresent a patern. |  |  |
|  |  |  | Recreate a pateren in a different medium | are chosen to make towe, and the space that has been ceated witin an |  |
|  |  |  | Create apater w wich works ss a aircle. |  |  |
|  |  |  | Create a cricial pateer which worts witha fived umberof fspees. | Represent spatial relationships in small world play. Construct and create things that represent objects in their environment. |  |
|  |  |  |  | Notice shape properties of objects that they want to represent and think about the appropriateness of the shapes they choose. |  |
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| Year 1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Number | Calculation | Fractions | Measure | Geometry |
| Decarative |  | Decarative | Dectarative | ative |
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| Procedural | Procedural | Procedural | Procedural | Procedural |
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|  | Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2,5 and 10 multiplication tables. |  |  |  |
|  |  |  |  |  |
| Conditional | Conditional | Conditional | Conditional | Conditional |
|  | Selen |  | Compare, describe and solve practical problems for: lengths/heights, mass/weight, capacity volume, time. |  |
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|  | Sole |  |  |  |
|  | ACP: Low stakes test covering all aspects of the composite. Free choice of resources, assess level of abstraction. |  |  |  |
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| Year 2 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Calculation | Fractions | Measure | Geometry | Statistics |
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|  | commemi | 边 |  | 为 |  |
| 边 |  | 为 |  | Identify 2－D shapes on the surface of 3－D shapes |  |
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|  | ACP：Quick quiz，multiple choice：plan in answers with misconc <br> Add and subtract within 100 by applying related 1－digit facts． |  |  |  |  |
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| Year 3 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Calculation | Fractions | Measure | Geometry | Statistics |
| Decarative | Declarative |  | Declarative | Declarative | Declarative |
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| Know that 10 ten size of 10 ；apply th multiples of 10. |  | Laro wixtrea |  |  |  |
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| Procedural | Procedural | Procedural | Procedural | Procedural | Procedural |
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|  |  |  | Measure the perimeter of simple 2－D shapes |  |  |
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| Conditional | Conditional | Conditional | Conditional | Conditional | Conditional |
|  | Sole | Solve problems that involve Year 3 declarative and procedural fractions knowledge． |  |  | Sole |
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|  | ACP：Write an explanation of how the commutative property of addition works．Explain why it doesn＇t work for subtraction． |  |  |  |  |
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|  | eremer |  |  |  |  |
|  | P：Glve a multiplication and division problem．Show solutions using as many of the above ways as possible． |  |  |  |  |
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|  | Meremem |  |  |  |  |
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|  | Progression in Reasoning and Problem Solving |  |  |  |  |  |  |
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|  | Example tearring outcomes | Example Learn 1 I | Example cearan ${ }^{\text {2 }}$ ，utcomes | Example Learsing outcomes | Example Learning ${ }^{\text {a }}$ atcomes | Example Learins ${ }^{\text {S }}$ | Example Learing 6 atcomes |
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|  | Use ordinal vocabulary，1st 2 nd etc Sort ob Explain what they are thinking and doing． |  | \％ex |  |  |  | 为 |
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