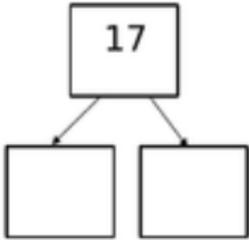
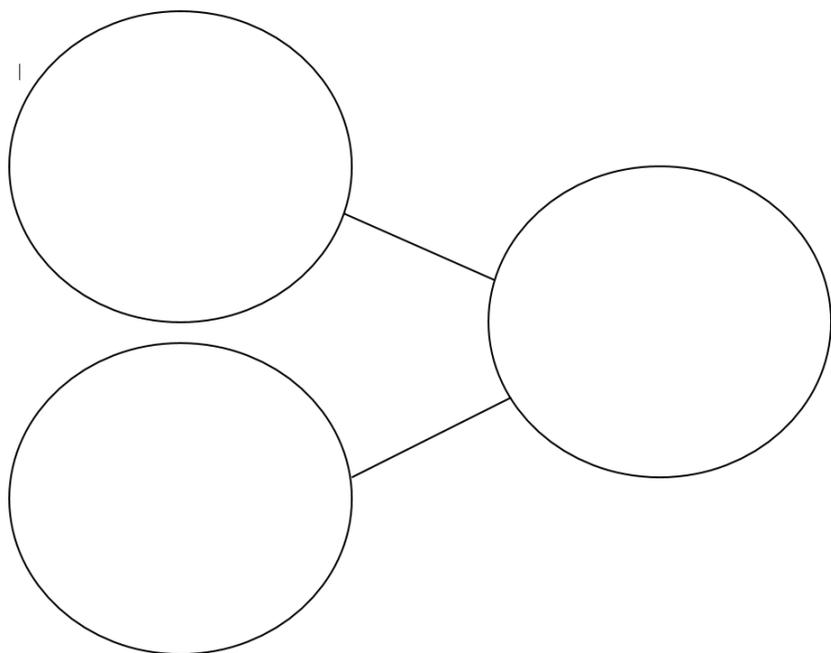


## Maths Homework Grid (Y1)

Learn 5 addition facts, play a maths game and choose one other thing to work on each day. The video links are there to help you understand the activities.

<p><b><u>Addition facts</u></b> Choose 5 addition facts from the grid on the next page to practise each day. (Start by practising by adding one and finding doubles first.) Spend 5 minutes each day practising your number bonds to 10 and to 20. Link to a website for practising your number bonds: <a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a></p>	<p><b><u>Maths Games</u></b> Choose a maths game to play each day. Have a go at inventing your own maths game. Rules for the dice game <b>Pig</b> Link to a blog on maths games: <a href="https://matr.org/blog/fun-maths-games-activities-for-kids/">https://matr.org/blog/fun-maths-games-activities-for-kids/</a></p>
<p>Practise counting forwards and backwards from 0 or from any given number in <b>1s</b>. <b>Practise counting to and across 100.</b></p>	<p>Write the numbers 0-20 in words and digits. Focus on the correct number formation.  Play on <a href="#">The Mental Maths Train Game</a> - practise adding and subtracting 1</p>
<p><b><u>Number and Place Value</u></b> Look in different rooms and go on a number hunt. How many items can you find that have numbers on them? What is the largest number you can find? What is the smallest number you can find?</p>	<p>Choose a number between 0 - 50. Make a poster showing how many different ways can you represent this number</p>
<p>Play on <a href="#">Number Fact Families</a> - find the addition and subtraction fact families for numbers up to 20 <a href="https://www.topmarks.co.uk/number-facts/number-fact-families">https://www.topmarks.co.uk/number-facts/number-fact-families</a> BBC Bitesize – KS1 Year 1 <a href="https://www.bbc.co.uk/bitesize/subjects/zjxhfg8">https://www.bbc.co.uk/bitesize/subjects/zjxhfg8</a> Numberblocks on iplayer or You tube <a href="https://www.bbc.co.uk/iplayer/episode/b08bzzns/numberblocks-series-1-one">https://www.bbc.co.uk/iplayer/episode/b08bzzns/numberblocks-series-1-one</a> Topmarks – activities for 5-7 year olds <a href="https://www.topmarks.co.uk/maths-games/5-7-years/counting">https://www.topmarks.co.uk/maths-games/5-7-years/counting</a> e.g. reading numbers <a href="https://www.topmarks.co.uk/learning-to-count/blast-off">https://www.topmarks.co.uk/learning-to-count/blast-off</a></p>	<p><b><u>Read and write numbers from 1-20 in numbers and in words</u></b> Make 1-20 number cards and one to twenty word cards out of paper. Have a go at matching up the numbers and words. Play the memory game, by turning all your cards over and taking it in turns to pick 2 cards. If the number and word matches, you get to keep both cards. The winner is the person with the most pairs at the end.</p>
<p><b><u>One more and one less</u></b> Get some raisins, grapes, cereal pieces. Place some on a plate. If the grown up with you says 'one more', add one more and say what number you have now. If they say 'one less', eat one and count how many you have left.  Ask a grown up to give you some toys. Count how many you have. Can you put out another group of toys so you have one more and then one less?  Build a tower with bricks. Can you build another tower with one more brick? Can you build another with one less brick?</p>	<p><b><u>Number bonds to 10</u></b> Practise your number bonds to 10 by playing the 'Total of 10' card game. You need a pack of cards Can you think of any new rules for playing this game? Link to the 'Total of 10' card game: <a href="https://www.youtube.com/watch?v=SD028NO-ZGc&amp;list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB&amp;index=5&amp;t">https://www.youtube.com/watch?v=SD028NO-ZGc&amp;list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB&amp;index=5&amp;t</a></p>

<p><b>Addition</b> Make your own tens frames or print some off the internet and use counters, or anything you can find to use instead of counters (raisins, grapes, cereal pieces etc.....). Choose 2 1-digit numbers to add together, e.g. 7 + 5. On your tens frame set out 7 using one thing, e.g. raisins and then add another 5 of something else e.g. cereal pieces. Have you filled a tens frame? How many are in the next tens frame? What is your answer? Try this adding different numbers. You can also draw them out. Link to video on using tens frames to add (1<sup>st</sup> activity on video) <a href="https://www.youtube.com/watch?v=-v46SIIY4ho&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index">https://www.youtube.com/watch?v=-v46SIIY4ho&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index</a></p>	<p><b>Subtraction</b> Use your tens frames and counters from the addition activity to practise subtracting. Make the first number using the tens frame and subtract the number of counters/ pieces to work out how many you now have. Try it with different numbers. Watch the 2nd activity on the video: <a href="https://www.youtube.com/watch?v=-v46SIIY4ho&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index">https://www.youtube.com/watch?v=-v46SIIY4ho&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index</a></p>
<p><b>Represent different numbers</b> Make your own tens frames or print some off the internet and use counters, or anything you can find to use instead of counters (raisins, grapes, cereal pieces etc.....) Start by using one tens frame to make numbers up to 10, then use a second tens frame to show numbers up to 20. You can also draw them out. Link to video on using tens frames and counters to make numbers (see 2<sup>nd</sup> activity) <a href="https://www.youtube.com/watch?v=Hur7sKFpKPQ&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index">https://www.youtube.com/watch?v=Hur7sKFpKPQ&amp;list=PLWIJ2KbiNEypnO-un0c9lthOv_RGjtEvG&amp;index</a>  Use the 'Multiple Tens Frames' or 'Base Ten' on this <a href="#">game</a> and practise recognising amounts</p>	<p>Choose a number from 0 -20 How many different ways can you partition this number? You could use a part part whole model like the one below and use counters or objects such as small toys, raisins, Lego pieces... Can larger numbers be partitioned in more ways?</p> 
<p><b>2D shapes and 3D shapes</b> How many 2D and 3D shapes can you name? Go round your house/garden and make a list of all the circles, squares, rectangles and triangle shapes you can see. Can you find any other 2D shapes? Then go round looking for 3D shapes (cubes, cuboids, cylinders and spheres). Can you find any others? Ask your grown up to cut out some 2D shapes. Can you make different pictures with them? Try drawing out a picture using just 2D shapes.</p>	<p><b>Mass/weight</b> Follow a recipe to bake some biscuits or cakes. Can you weigh out all the ingredients yourself? Find food in your kitchen, such as a tin of beans. Can you find something which is heavier and something which is lighter?</p>
<p><b>Money</b> Ask your grown up for some money. Can you identify all the coins? Can you make 10p? Can you find a different way to make 10p, using different coins? Try this for different amounts of money</p>	<p><b>Length</b> Find something in your house you could use to measure with. They all need to be the same size e.g. counters, Lego bricks, paper clips etc.... Choose different objects, such as a pen or book. Estimate how many counters etc... long it will be and then use them to measure what it actually is. Can you find different things round your house, which are longer/shorter?</p>




Adding 1

Bonds to 10

Adding 10

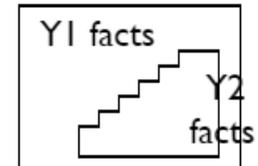
Bridging/  
compensating

Adding 2

Adding 0

Doubles

Near doubles



+	0	1	2	3	4	5	6	7	8	9	10
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
1	1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9	1 + 10
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	2 + 10
3	3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9	3 + 10
4	4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9	4 + 10
5	5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	5 + 10
6	6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	6 + 10
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 10
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9	8 + 10
9	9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9	9 + 10
10	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10

### Additional learning resources parents may wish to engage with

- Maths4Kids You tube channel hosted by a child, explaining methods we use in school (mostly KS2)  
<https://www.youtube.com/channel/UCob4tkfOSXy6yav9Y54SKIQ>
- White Rose Maths Problems of the Day – Orange problems for KS1 and Blue problems for KS2  
<https://whiterosemaths.com/resources/classroom-resources/problems/page/3/>
- Mathszone – A host of interactive maths games including favourites such as Hit the Button. No sign up necessary  
<https://mathszone.co.uk/>
- BBC Bitesize – KS1 and KS2. All subjects included and no sign up necessary  
<https://www.bbc.co.uk/bitesize/primary>
- NRICH a range of free age related resources to develop mathematical reasoning and problem solving No sign up necessary.  
<https://nrich.maths.org/primary>
- TopMarks – Maths Games for KS1 or KS2  
<https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=3>