

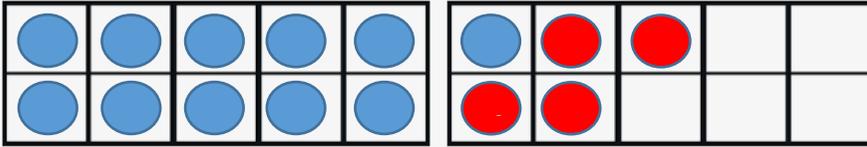
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|--|---|
| <p style="text-align: center;"><u>Addition facts</u></p> <p>Choose 5 addition facts from the grid on the next page to practise each day. Start by practising the green and blue facts first. Spend 5 minutes each day practising your number bonds to 10 and to 20.</p> <p>Link to a website for practising your number bonds: https://www.topmarks.co.uk/maths-games/hit-the-button</p> | <p style="text-align: center;"><u>Maths Games</u></p> <p>Choose a maths board game to play each day. Or have a go at inventing your own maths board game by adding different calculations + - X ÷ to each square, add 'miss a go' 'go back 1 space' or 'move forward 2 spaces' – See template provided. For some other simple games to try at home see the link below. https://matr.org/blog/fun-maths-games-activities-for-kids/</p> |
| <p style="text-align: center;"><u>One more and one less</u></p> <p>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.</p> <p>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 style="text-align: center;"><u>Addition</u></p> <p>See the tens frame sheet in this pack and use counters, or anything you can find to use instead of counters (raisins, grapes, cereal pieces etc....). Choose 2 numbers 1-digit numbers to add together , e.g. 7 + 5. On your tens frame set out 7 on 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 (2nd activity on video) https://www.youtube.com/watch?v=-v46SIIY4ho&list=PLWIJ2KbiNEypnO-un0c9IthOv_RGjtEvG&index</p> |
| <p style="text-align: center;"><u>Number bonds to 10</u></p> <p>Practise your number bonds to 10 by playing the 'Total of 10' card game Can you think of any new rules for playing this game? Link to the 'Total of 10' card game: https://www.youtube.com/watch?v=SD028NO-ZGc&list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB&index=5&t See the 'Hit the Button' game we use at school below, or Google 'Hit the button' https://www.topmarks.co.uk/maths-games/hit-the-button</p> | <p style="text-align: center;"><u>Subtraction</u></p> <p>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 3rd activity on the video: https://www.youtube.com/watch?v=-v46SIIY4ho&list=PLWIJ2KbiNEypnO-un0c9IthOv_RGjtEvG&index</p> |
| <p style="text-align: center;"><u>Fractions of amounts</u></p> <p>Use some raisins, grapes, cereal pieces to help you find $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{3}$ of a set of objects. Use your teddies to help you. If your finding $\frac{1}{2}$ - share them between 2 of your teddies, $\frac{1}{4}$ – share them between 4 of your teddies and $\frac{1}{3}$ – share them between 3 of your teddies. Link to video for finding fractions of amounts using the bar model: https://www.youtube.com/watch?v=PgrF1TYXP6Y&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index</p> | <p style="text-align: center;"><u>Count in multiples of 2, 5 and 10</u></p> <p>Use raisins, grapes, cereal pieces etc... to help you practise counting in multiples of 2, 5 and 10. Group into 2s to practise counting in 2s, group into 5 to practise counting in 5s and into 10 to practise counting in 10s. Once you've done it with the objects, draw out circles to help you practise counting in 2s, 5s and 10s. Find counting in multiples songs on YouTube by searching 'Counting in multiples of ___'</p> <div data-bbox="1608 991 2004 1077" style="float: right; text-align: center;">  <p>The Counting by Twos Song Counting Songs Scratch Garden Scratch Garden 5 years ago • 3,342,025 views Go up into space as you count up by twos with a dog and a song on a crazy rocket cruise! The Counting by Twos song teaches... SUBTTLES</p> </div> |

Maths Home Learning 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.

Represent different numbers

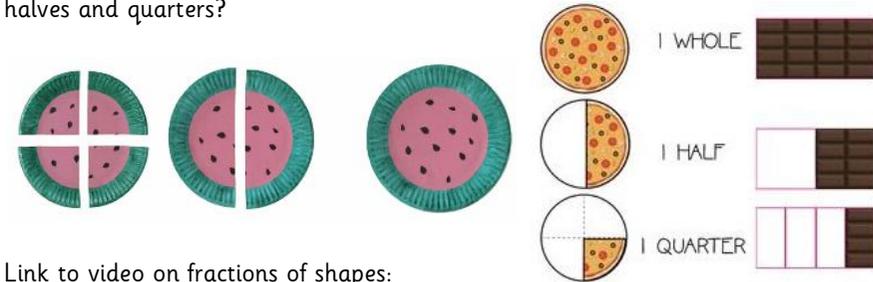
See the tens frame attached and use counters, or anything you can find to use instead of counters (raisins, grapes, cereal pieces etc....) Start by using one tens frame to make numbers up to 10, then use a second tens frame to show numbers up to 20. You can also draw them out. Eg Show 11 and 4 more makes 15



Link to video on using tens frames and counters to make numbers (see 2nd activity)
https://www.youtube.com/watch?v=Hur7sKFpKPQ&list=PLWIJ2KbiNEypnO-un0c9IthOv_RGjtEvG&index

Fractions of shapes

Find things you can cut into halves and quarters, e.g a pizza, a cake, an apple. Ask your grown up to draw some circles on a page. Can you split them into halves and quarters?



Link to video on fractions of shapes:

<https://www.youtube.com/watch?v=EGcZIrYouSA&list=PLWIJ2KbiNEypS0zxt54W ez5X4gnQ-xxvu&index>

Time to o'clock and half past

Use the resource attached to create your own clock.
Make a time on the clock by moving the hands and challenge a family member to say the time and check.
Ask them to give you a time to make, stick with o'clock and half past.

Link to video on telling the time to o'clock and half past:
<https://www.youtube.com/watch?v=V32tRiEQ2AA>

Read and write numbers from 1-20 in numbers and in words

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.

2D shapes and 3D shapes

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.

Mass/weight

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?

Money

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
Some great Topmarks money games can be found here, or google Topmarks money games KS1 <https://www.topmarks.co.uk/Search.aspx?AgeGroup=2>

Length

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?

Maths Home Learning Grid (Y1)

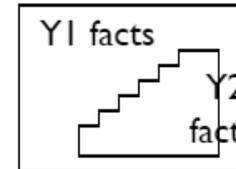
Learn 5 addition facts, play a maths game and choose one other thing to work on each day. The video links are there to help you understand the activities.

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 |

Number Facts Grid (Y1)

Practise your number 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.

Number facts

Choose 5 addition facts from the grid added to this pack to practise each day. Spend 10 minutes each day practising your number bonds, doubling & halving and times tables.

Link to a website for practising ALL number facts which is used at school also:

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Maths Games

Choose a maths game to play each day. Have a go at inventing your own maths board game using the template attached.

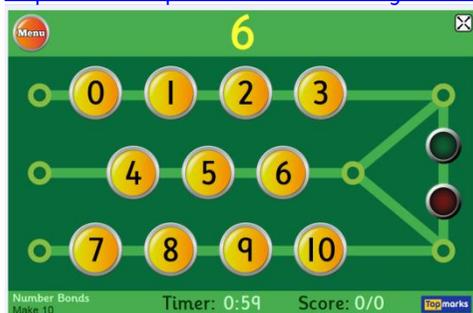
Link to a blog on maths games:

<https://matr.org/blog/fun-maths-games-activities-for-kids/>

Number bonds to 10, 20 and 100

Practise your number bonds to 10 by playing the 'Hit the Button' game available here:

<https://www.topmarks.co.uk/maths-games/hit-the-button>



Can you move on to bonds to 20?
If you're finding this easy move onto 'make 100 (tens)' Can you apply your number bond knowledge to making 100?

Place value

Think of a 2 digit number and partition this in as many ways as possible, start with tens and ones. Eg $26=20+6$, $26=21+5$, $26=22+4$

Once you are confident, have a go at partitioning numbers 3 ways, for example $26=20+2+4$

(Link to video and games in next box)

Place value (continued)

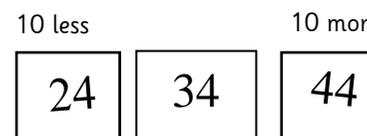
Link to place value video:

<https://www.youtube.com/watch?v=vBIZal-8Kr4&list=PLWIJ2KbiNEyplZvdo0-OU48R3KSq3ywhV&index>

<http://www.ictgames.com/sharkNumbers/mobile/index.html>

10 more and 10 less

Record a 2 digit number can you find 10 more and 10 less?



For support see link to video on adding 10:

<https://www.youtube.com/watch?v=gqUtg9rkYCU&list=UUob4tkfOSXy6yav9Y54SKIQ&index>

Link to video on subtracting 10:

<https://www.youtube.com/watch?v=ZWhOUv5mC9s&list=UUob4tkfOSXy6yav9Y54SKIQ&index>

Place value

Play the 'Guess my Number' place value game. Pick a number from 1 to 100. Ask your sibling or adult to ask questions about your number. Then ask your adult to choose a number.

Is your number odd or even?

Is it fewer than ___?

Is it more than ___?

Is it a 2 digit number?

Does it have a ___ in the ones place?

Does it have a ___ in the tens place?

Addition

Practise adding numbers together. Show your adult how we solve them at school, drawing dienes, partitioning or column method.

Begin with:

3 1 digit numbers $7+2+8=$

A 2 digit number and a 1 digit number $22+6=$ $4+35=$

A 2 digit number and a tens number $35+10=$ $55+30=$

A 2 digit number and a 2 digit number (ones not going over 10) $22+23=$

A 2 digit number and a 2 digit number $27+39=$ (See next box for support)

Maths Home Learning Grid (Y2)

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.

Column and partitioning method - addition of 2-digit number

Link to column addition of 2-digit numbers video:

<https://www.youtube.com/watch?v=hHM25Nx4vhg&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index>

$22 + 13 = 35$
 $20 + 10 = 30$
 $2 + 3 = 5$
 $30 + 5 = 35$
OR
 $22 + 13 = 35$
 $\begin{array}{r} 22 \\ 13 \\ \hline 35 \end{array}$

$27 + 38 = 65$
 $20 + 30 = 50$
 $7 + 8 = 15$
 $50 + 15 = 65$
OR
 $27 + 38 = 65$
 $\begin{array}{r} 27 \\ 38 \\ \hline 65 \end{array}$

Fractions of amounts

Find some things you can use to share out, to practise finding fractions of amounts. E.g. raisins, grapes, sweets etc...

Share them out between 2 teddies to find $\frac{1}{2}$ of the amount

Share them between 4 teddies to find $\frac{1}{4}$ of the amount.

Share them between 3 teddies to find $\frac{1}{3}$ of the amount.

Do they share equally? Are there any remainders? Try again until the amount shares equally. Could you record this as a number sentence?

$\frac{1}{3}$ of 12



Link to video on fractions of amounts:

<https://www.youtube.com/watch?v=PgrF1TYXP6Y&t>

Column and partitioning method - subtraction of 2-digit number

Link to column subtraction of 2-digit numbers video:

<https://www.youtube.com/watch?v=pADFYrGdyYE&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index>

$65 - 13 = 52$
 $60 - 10 = 50$
 $5 - 3 = 2$
 $50 + 2 = 52$
OR
 $65 - 13 = 52$
 $\begin{array}{r} 65 \\ 13 \\ \hline 52 \end{array}$

$32 - 19 = 13$
 $32 - 9 = 23$
 $23 - 10 = 13$
OR
 $32 - 19 = 13$
 $\begin{array}{r} 32 \\ 19 \\ \hline 13 \end{array}$

Time (o'clock, half past, quarter past and quarter to)

Why don't you make your own clock and have a go at telling the time to o'clock and half past using just the hour hand. Once you are confident with that, have a go at telling the time to quarter past and quarter to.

Have a go at using the Topmarks clock to make the correct times.

Find game below

https://www.sheppardsoftware.com/mathgames/earlymath/on_time_game1.htm

Link to video on time (o'clock and half past):

<https://www.youtube.com/watch?v=V32tRiEQ2AA&t>

Link to video on quarter past and quarter to:

<https://www.youtube.com/watch?v=86RbCwhdJSs&t>



Division as grouping and sharing

Find things around the house you can use to practise division as sharing and division of grouping. You could use raisins, grapes, lego bricks etc...

Link to video on division as grouping and sharing:

<https://www.youtube.com/watch?v=bdglIPNNhuI>

Equivalent fractions

Find different things you can use to prove that a half is equal to 2 quarters. Cut a pizza/cake, share raisins, grapes, lego out into halves and quarters.

Link to video on fractions equal to a half:

<https://www.youtube.com/watch?v=ieT9k537jP4&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index>

2D and 3D Shapes

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?

Money

Ask your parents for some money. Can you identify all the coins and put them in order of value?

Can you make 50p using the coins? Can you find a different way to make 50p, using different coins? Try this for different amounts.

Maths Home Learning Grid (Y2)

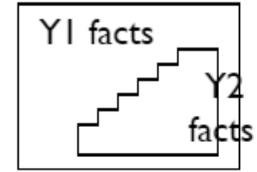
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Adding 1

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 |

Number Facts Grid (Y2)

Practise your number 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.