

Year 1 Maths Packs

Welcome

Ms Yip

Aim

Demonstrate activities you can do with the equipment in relation to the maths curriculum

Participate and try some of the activities

Opportunity to observe how the equipment is used in class by the children

Books

Maths on the Go by Rob Eastaway and Mike Askew

Maths for mums and dads by Rob Eastaway and Mike Askew

Mental warm up

Fizz Buzz (3 and 5 times table)



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Number line to 20

Cover numbers on a number line and ask for missing numbers then reveal

Jump on or back the number line to find 1 more or 1 less than a given number

Extend to find 2, 3, 4 more/less

Count on and back in 1s

Quick finding of numbers (number recognition)

Find a number that comes between 2 numbers

Add 2 numbers by counting on from the bigger number (use cubes to 'combine' prior to counting on then move onto empty number line)

Subtract a number from another by counting back on the number line (use cubes to 'take away' prior to counting back then move onto empty number line)

1-100 square

As above for activities using the number line but extended to numbers up to 100

Cover a group of numbers and ask for missing numbers then reveal, how do you know?

Count on and back in 1s and 2s

Count on in 10s and back (multiples of 10) and ask what is 10 more/less

Count on in 5s and back (multiples of 5)

Find number patterns in the number square e.g. odd and even numbers



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Addition and subtraction language swatches

These are used to ensure your child understands all the different vocabulary associated with addition and subtraction.

Please ensure a mixture of vocabulary is used during your activities.

Use different vocabulary to tell number stories.

Move symbols around e.g. $_ = _ + _$

Number fact cards (double sided coloured strips)

Drop some of the cards and work out the number facts by how many of each colour, e.g. Drop 10 cards, 3 of one colour and 7 of another so $3+7=10$, also number facts to 5, 6, 7 etc.

Extend to number bonds to 20, e.g. $13+7=20$, $12+3=15$, $9+8=17$ etc.

Use number bonds to find related subtraction e.g. $4+3=7$ so $7-3=4$ and $7-4=3$

Symbols sheet (Missing numbers) and Part Whole diagram

Write 2 numbers and find missing number – link with part whole diagram

Write a total and find number facts to make that total e.g. $_ + _ = 9$ (use with 10 frame)

Turn the sheet upside down and use with =sign before the + and - signs



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1-20 number cards

Pick a number and play guess my number, e.g. odd/even, less/greater than, ones
Choose 2 number cards and say which is larger and which is smaller, using the < (less than/fewer) and > (more/greater than) signs to compare the two numbers. E.g. 13<17, 14>9. How do you know? Explain.

Order a set of numbers from smallest to largest or largest to smallest in different directions, i.e. horizontal, vertical, diagonal.

Show a set of number cards in order and remove some cards, which numbers are missing? (Counting in 1s, 2s, 5s, or 10s)

Quick finding of numbers

Choose 2 number cards to add and subtract (use cubes first to combine or take away with 10 frame then number line and bar model to count on/back)

Find doubles, halves and quarters of a given number (use with objects)

Choose a number and make / draw with objects or pictures (different representation)

Choose two number cards to make a given total then find a different way

10 Frame

Make number bonds to 10/20 using dot patterns (different ways)

Make doubles to 10 then 20

Add two numbers up to 20 together by combining counters

<https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/>

Subtract a number from another up to 20 by crossing off counters



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Dotted 1-6 dice

Recognise dot patterns on dice and combine to make numbers to 12 – draw and write number sentence on whiteboards

Roll and double the number

Roll twice and add the two numbers (Can they recognise the pattern of dots and use number bonds?)

Roll twice and subtract the smaller from the larger number

Estimate how many times they might throw a 5 in 10 throws

Investigate adding 2 numbers on opposite sides

Play board games and practise counting on and back

Numbered 1-6 dice

Use the dice to create two numbers to add or take away

How many times can they roll a 2 in 1 minute?

Roll and double the number

Roll the dice three times to add three numbers together

12 sided dice

Use with 1-6 dice to generate addition and subtraction calculations/sums

Roll twice to create two numbers to add or subtract

Roll dice and find half or quarter of that number (use with objects to share or group equally)

Design their own board games



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Single digit number fan

Show answers to addition and subtraction calculations/sums

Show doubles, halves and quarters of a given number

Find odd and even numbers

Make a given number (1 digit and 2 digits)

Use the features of shapes e.g. how many sides does a square have?

Show 1/10 more/less than a given number

Show a number in between 2 numbers

Coin fan

Find me 2p etc. (coin recognition)

Show a coin more/less than a given value

Show coins to make an amount

Show a coin and make amount using 1p coins on a 10 frame

Work out simple total or change. It really helps to use real objects for the children to put this into context. Perhaps create your own shop.

Use with real coins



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A4 whiteboard and pen

Create a number bingo board by writing 4 – 6 numbers (in numerals and words) and cross off as you say the number names

Practise forming different numbers using number rhymes (in numerals and words)

Draw a picture using different 2D shapes

Describe 2D shapes for them to draw using number of sides and corners

Describe a picture using positional language for them to draw

Write addition and subtraction number sentences to add and subtract 1 digit and 2 digit numbers to 20 (use with cubes, 10 frame, number line and bar model)

Write number facts for totals up to 10/20 with missing numbers in different positions

Clock

Understand the different hands on the clock (short – hour, long – minute)

Play what time is it? To tell different o'clock and half past times

Show different o'clock and half past times (extend to quarter past)

Show a time and ask for 1 hour before and 1 hour later

Time problems

