Pevensey & Westham CE Primary School

more amazing every day

Year 2

This booklet contains fun maths activities and games, matched to the Year 2 Learning Objectives.

You can share photos or work completed during these games via Class Dojo. We would love to see what fun you've been having as a family!

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Making digits

Mathematical Vocabulary:

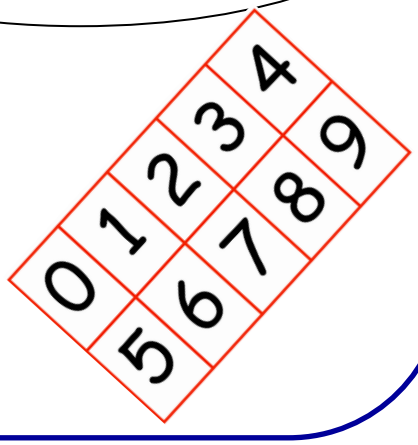
Tens, ones, place value, digits, numbers, compare, greater than, less than, more, less.

WALT: recognise place value in two-digit numbers.

You will need: paper/ number cards, pen,

- Write digits 0—9 on pieces of paper.
- Choose three of the digits. E.g. 2, 7 and 0.
- Use two of the cards to make numbers.
- Encourage your child to read the numbers to you. What is the value of 2 in 27? (2 is worth 2 tens which is 20.)

Remember: 'Digits' make up 'numbers' just like 'letters ' make up 'words.'



Challenge: Can you compare the two numbers you have created using < and >?

Number bonds to 20: Beat the clock!

Mathematical Vocabulary:

Bonds, together, add, plus, take away, minus, subtract, equals, totals.

WALT: recall number bonds to 10 and 20.

You will need: paper, pencil.

Remember: If you work systematically, you will ensure you don't miss out any number facts. e.g. 1 + 9 = 10

2 + 8 = 10

3 + 7 = 10

- Set a 2 minute timer.
- You have 2 minutes to write down as many number facts/ bonds to 10 as you can.
- Once you are confident and can beat the clock for number bonds to 10, progress onto bonds to 20.

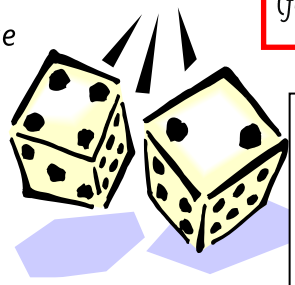
Challenge: Can you write the subtraction facts from 10 and 20?

Place value: Dice game

Mathematical Vocabulary:
equal to, more than, less than (fewer), most, least.

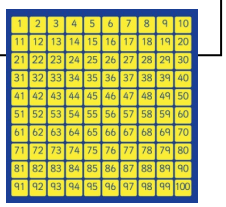
WALT: Finding 10 more and 10 less than a number.

You will need: Two dice and a 100 square which can be found at the back of this booklet.



- Roll two dice.
- Place the dice next to each other to create a two digit number.
- Find that number on the 100 square.
- Identify the number that is 10 more than it and 10 less than it.

Remember when adding 10 using the 100 square you can move straight down a row and for 10 less you move up a row.



Challenge: Can you use your 100 square to quickly find 9 more and 9 less?

Addition: Number bonds to 20 pick a pair!

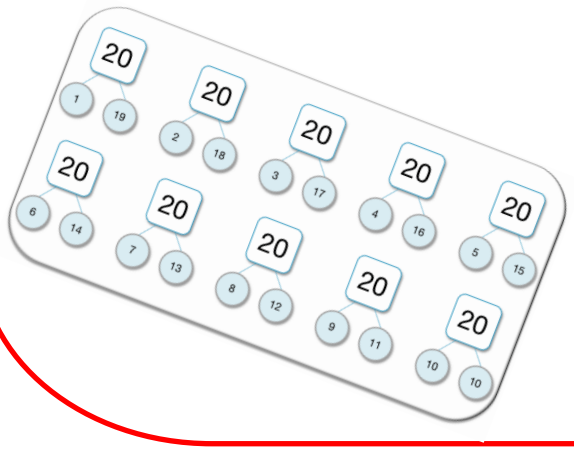
Mathematical Vocabulary:
Add, plus, totals, equals, too many.

WALT: identify two numbers which total 20.

You will need: Make number cards 0—20 with two cards with the number 10 on them.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

- Place all number cards face down.
- Take turns to turn over two cards.
- If both cards add up to 20 then you get to keep them.
- Once all cards have been taken by the players, you add up how many pairs you have.

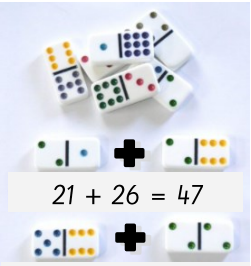


Can you be the winner who collects most of the cards?

Challenge: Can you write all of the part whole models for number pairs to 20? Why don't you time yourself and see if you can beat your personal best next time?

Addition and subtraction: Dominoes

Mathematical Vocabulary:
Add, equals, total, altogether, amount, sum, inverse, commutative.



WALT: add and subtract.

You will need: a pack of dominoes, paper and a pencil.

- Select two dominoes.
- Write the addition or subtraction number sentences for the chosen dominoes.
- Calculate the answer and write it down.

Challenge: Can you check your number sentences using the inverse operation?

Remember 'inverse' means the opposite operation, e.g. 21 + 26 = 47

47 — 26 = 21

Multiplication money

Mathematical Vocabulary:
Multiply, times, lots of, equals., groups of

WALT: Count in multiples of 2's, 5's and 10's.

You will need: a dice and lots of 2p's, 5p's or 10p's.

- Take turns
- Roll the dice and take that number 10p coins.
- Guess how much money you have.
- Count in multiples of 10 to see if you're correct, e.g. ten, twenty, thirty…
- If your guess was correct, you keep one of the coins.
- The first person to collect £1 is the winner.

This game can be played with 2p coins (collect 20p to win) and 5p coins (collect 50p to win).

Challenge: Can you answer questions of how to make amounts of money? E.g. How many 10p coins do I need to make 70p? How many 10p coins make £1?

Fraction beans

Mathematical Vocabulary:
Total, altogether, amount, take away, subtract, minus, equals.

WALT: find a fraction of an amount.

You will need: some dried beans, buttons or pasta.

- Start with a pile of 12 beans.
- Find 1/2 of your 12 beans by sharing them into **equal** groups.
- Can you find 1/4 of the beans? (Explain how)

Challenge: Find 2/4 of the 12 beans. What do you notice?

Can you identify how many beans would make up 1/3 of 12?

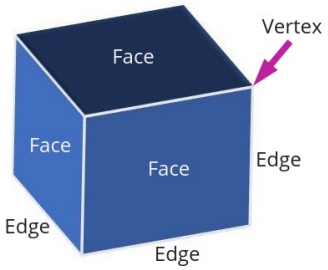
Problem solver: What other amounts can you find 1/2 and 1/4

Properties of shape: 3D Shape Hunt.

Mathematical Vocabulary:
Cube, cuboid, cylinder, sphere, pyramid, edges, vertices, faces.

WALT: identify, sort and name 3D shapes.

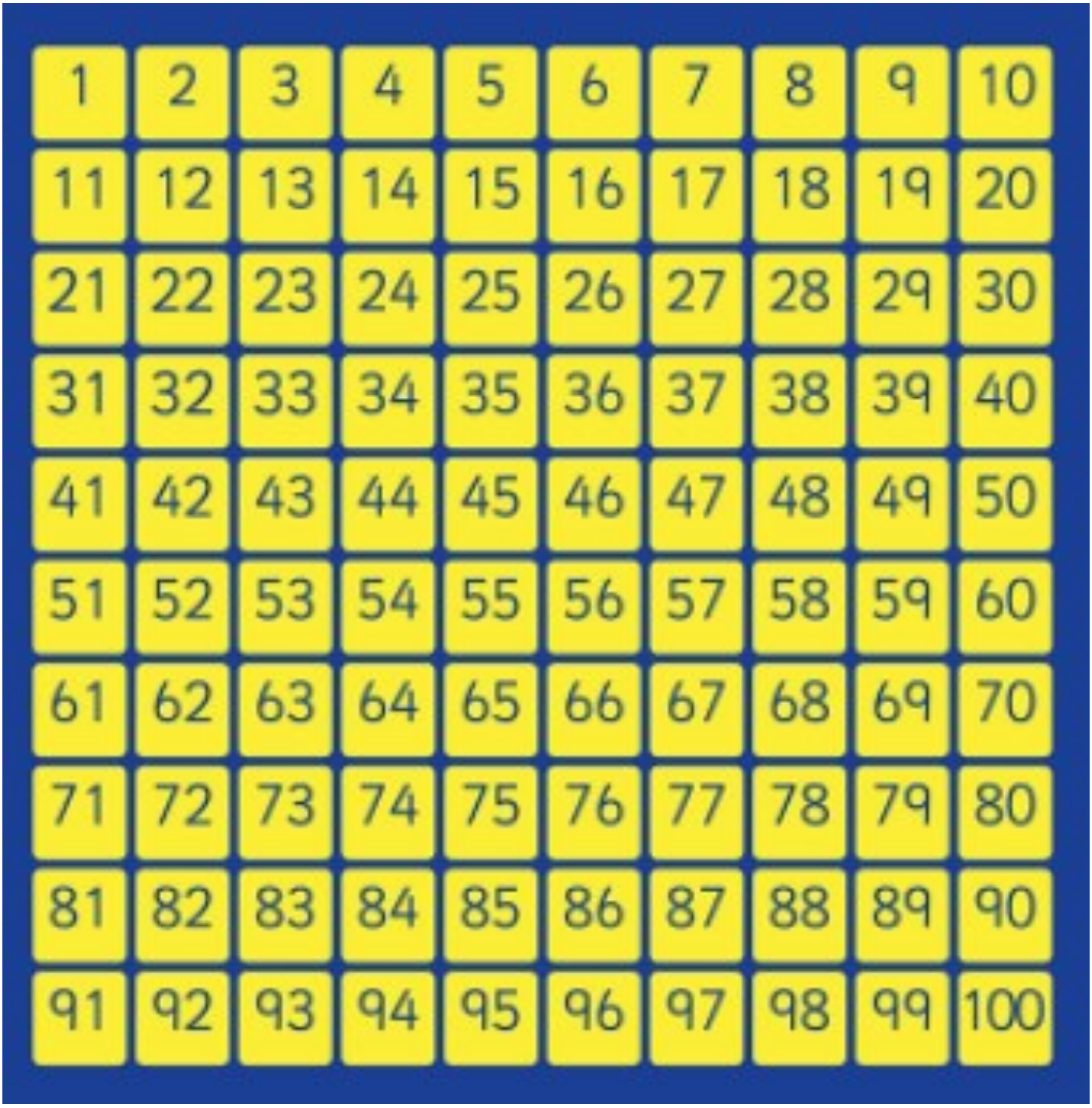
You will need: a variety of different shaped objects.



- Have a walk around your home.
- What different 3D shapes can you find?
- Collect some of the objects.
- Sort the shapes into groups. (How have you sorted them?)
- Which shapes can you name? .

Can they spot and name a cube, a cuboid, a cylinder and a sphere?

Challenge: Using the mathematical vocabulary, can you count how many faces, vertices and edges the shapes have? Can you sort the shapes again using number of vertices or edges?



Useful websites:

https://www.lovemaths.me/number-f-2

https://www.topmarks.co.uk/maths-games/5-7-years/counting

https://www.bbc.co.uk/bitesize/subjects/zjxhfg8

https://urbrainy.com/maths/year-2-age-6-7

https://www.ictgames.com/mobilePage/index.html

http://www.crickweb.co.uk/ks1numeracy.html