

PLACE VALUE – DIGIT CARDS LESSON – AT HOME LEARNING

SWE begin to apply their knowledge to solve more complex problems.

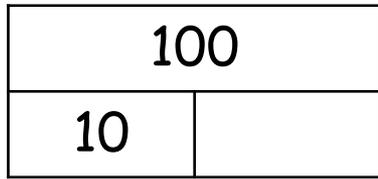
SW begin to work systematically to find all possibilities.

MW make multiple 2 digit numbers through trial and error.

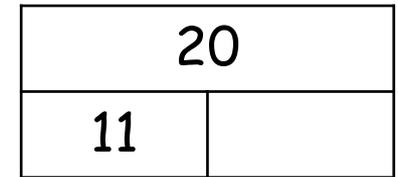
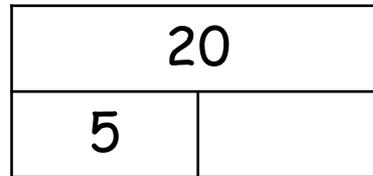
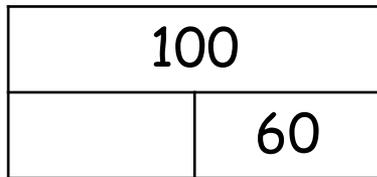
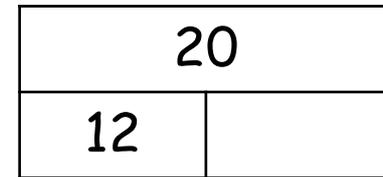
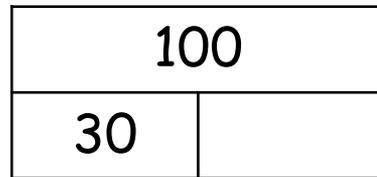
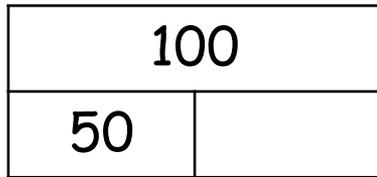
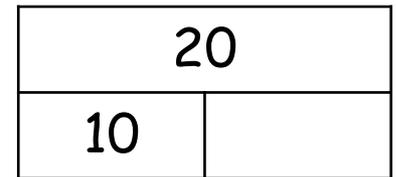
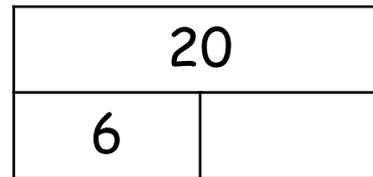
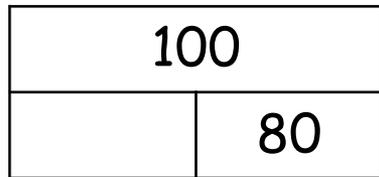
AW manipulate digits to create 2 digit numbers.



RECALL



Complete the missing numbers in the Bar Models.



Use your number bonds!

Can you match any of the Bar Models together? Why?



**TO USE PLACE VALUE KNOWLEDGE
TO SOLVE A PROBLEM.**

GUIDED PRACTICE

Mr Price has some digit cards.

He wants to make 2 digit numbers.



What numbers can he make?

For example: He can put 1 and 5 together to make 15.

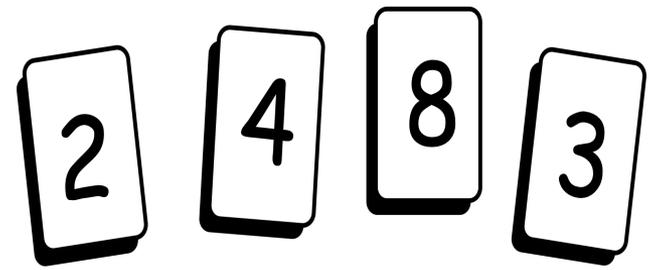


Make the cards with scraps of paper and swap them around.



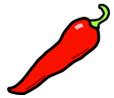
What are all the possibilities we could make? How do you know you have them all?

INTELLIGENT PRACTICE

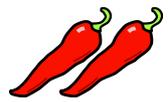


Mr Price has these 4 cards.

What 2 digit numbers can he make?



Make 3 different numbers.



What is the biggest 2 digit number you can make?
What is the smallest 2 digit number you can make?



Can you find all the possibilities?



Make the cards with scraps of paper and swap them around.

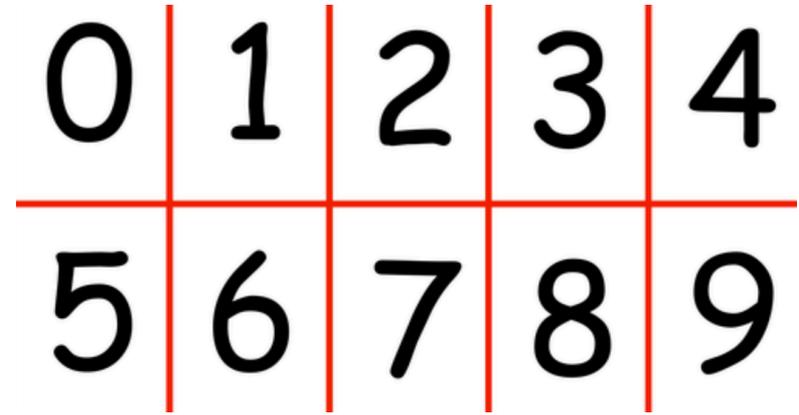


How do you know you have all possibilities?

DIVE DEEPER

Mr Price and Miss Lamb are playing a game together.

They place these digit cards face down and try to make the biggest number.



Mr Price picks up a 3 and a 5. Miss Lamb has picked up a 1 and a 6. Who can make the bigger number?

Play this at home. The person that can make the biggest number wins a point. First to 5 points wins.



Swap the cards around and practice.



How do you know someone is going to win? If someone gets a 9, does that mean they automatically win?

DIVE DEEPER -

[HTTPS://NRICH.MATHS.ORG/6343/INDEX](https://nrich.maths.org/6343/index)

You have a set of the digits from 0 - 9.

0	1	2	3	4	5	6	7	8	9
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Can you arrange these digits in the five boxes below to make two-digit numbers as close to the targets as possible? You may use each digit once only.

largest even number

largest odd number

smallest odd number

largest multiple of 5

number closest to 50

On the link, there is a practical example of what to do.

If you have solved it, is there another way to solve it.

