

Maths Activities to Try at Home

Year 4

Name of Activity: Multiplication Paddocks

Maths Focus: Multiplication

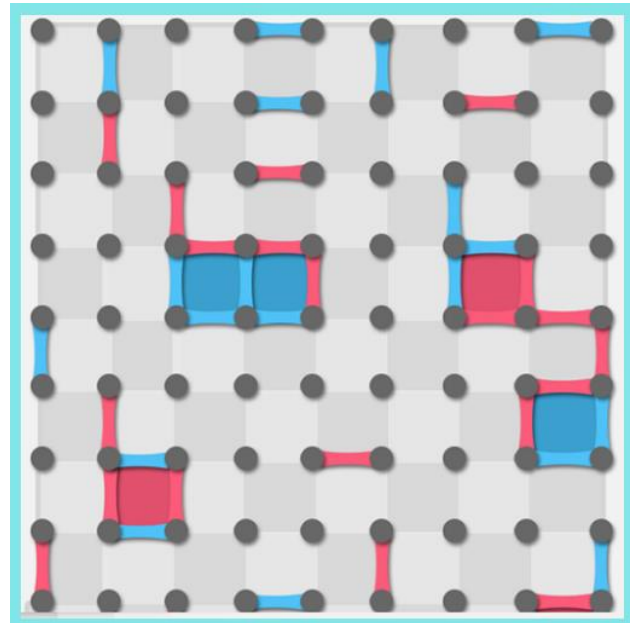
Materials Needed: 10 sided dice, dotted paper (See below), coloured pencils.

Ages/ Year Group: Year 4 to 6

Activity Instructions:

Students each need a coloured pencil to colour in the squares they complete. They roll a 10-sided dice twice (or 2 ten-sided dice) and multiply the numbers to make a product (answer).

- If the product of the 2 numbers is even (ending in 0,2,4,6,8) then the student can draw a horizontal or vertical line to join 2 dots on the dotted paper, they then roll again.
- If the product of the 2 numbers is odd (1,3,5,7,9) they finish their turn and hand the dice to their partner.
- Once the student has created a square, they claim it and colour it in.
- Once the board is full, the winner is the student who has the most squares coloured.



Modification

If the child is not confident with multiplication up to 10×10 then a six sided dice can be used instead.

Younger students could also use this game to practise addition skills by adding the 2 numbers on the dice rather than multiplying.

Name of Activity: Number Hives

Maths Focus: Multiplication Facts & strategies

Materials Needed: Game boards (1,2,3,4,5,10)(12x12)(1,2,3,4,5,10x12), counters - 2 colours + 2 clear.

Ages/ Year Group: Y3 to 6

Activity Instructions:

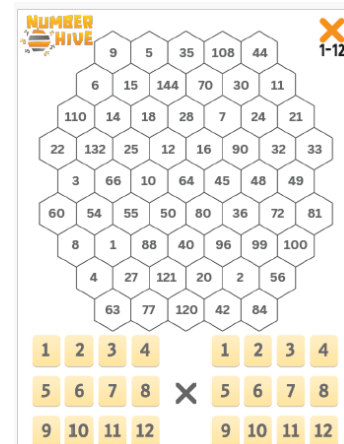
Multiplication facts up to 12x12. [Mult 1-12 1 grid.pdf](#)

Players choose a counter colour to play with. Start with 2 clear counters on the number 1's on the factor boxes at the bottom of the game board.

Each player takes it in turns to move 1 clear counter to change one of the factors, they multiply the 2 numbers together, then cover that product on the game board.

The aim of the game it to cover 4 'hive cells' in a row on the game board.

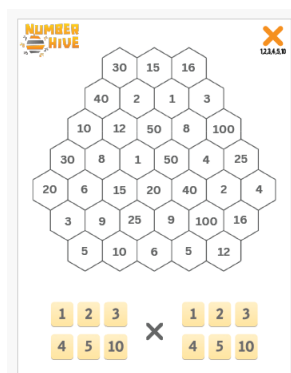
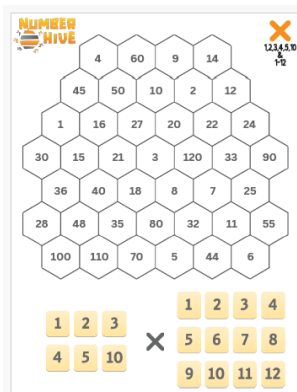
When changing the factors, players need to identify products that can help them create a row of 4 or block their opponent.



Modifications

Multiplying numbers 1, 2, 3, 4, 5 & 10 only. [Mult 1234510 1 grid.pdf](#)

Finding products of all multiples of 1, 2, 3, 4, 5 & 10 [Mult 1234510 1-12 1 grid.pdf](#)



There is also a free online game where students can practise this game.

<https://play.numberhive.org/lobby>

Name of Activity: Closest to 100

Maths Focus: Addition, Subtraction, Multiplication, Division

Materials Needed: Two 6-sided dice, paper and pencil

Ages/ Year Group: 3 to 6

Activity Instructions:

The aim is to make a total of 100 or as close to 100 as possible.

Players take turns to roll the two dice and combine the numbers with any operation to produce a score.

The player who reaches 100 or is closest to 100 is the winner.

Encourage players to record their throws, Calculation choices and running totals.

For example:

<u>Dice Throw</u>	<u>Calculation</u>	<u>Running Total</u>
4 and 6	$4 \times 6 = 24$	24
1 and 4	$1 + 4 = 5$	29
2 and 5	$2 \times 5 = 10$	39
6 and 6	$6 \times 6 = 36$	75
3 and 5	$3 \times 5 = 15$	90

Modifications;

Make the finishing number a higher number (eg. 1000), an odd number (333), add more dice or use 10-sided dice.