PADDOCKS

Strategy Focus: Distributive Property- Think 'separate the question into easier parts'

Teacher Talk: remind students that one way to solve a multiplication question, is to separate (distribute) it into parts (distributive property). For example, if you are solving 7 x 5, you can separate it into 5 x 5 and 2 x 5. You have separated the question into easier parts, but when the two parts are put back together, you still have 7 x 5 in total.

See the Distributive Property Strategy video to revise.

Also see www.amathsdictionaryforkids.com for definition of 'distributive law (property)'

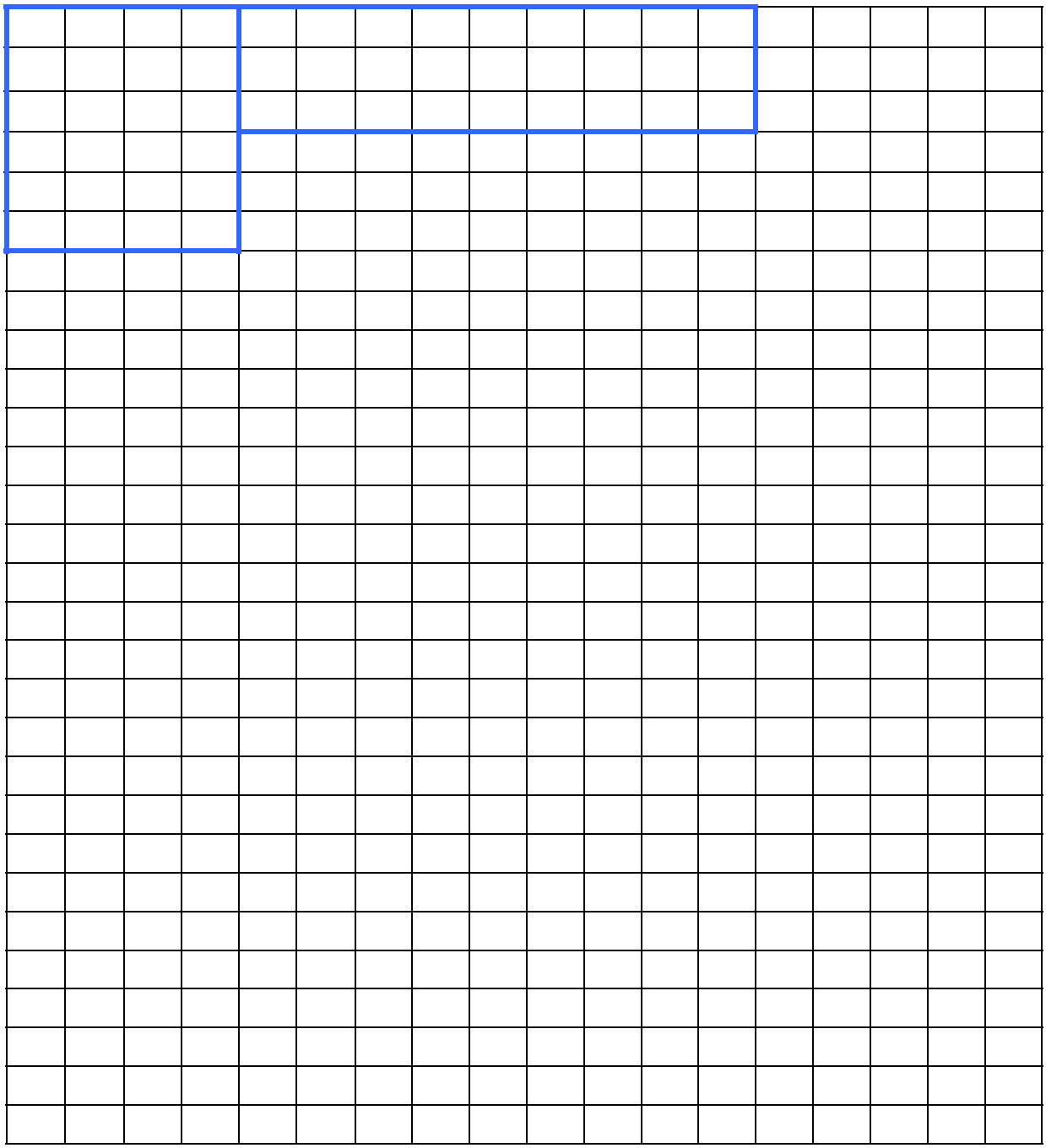
Paddocks Game:
A game for two or more players-

You need:
- Two 10-sided dice (two 6-sided dice could be used initially)
- One paddocks game sheet per pair of students

To play:

- Take turns to roll two, 10-sided dice .
- Multiply the two numbers rolled.
- Fill in the matching region (array) on the grid.
- Record the multiplication fact inside the region
- E.g. if the player rolls a 7 and 5, they can either fill in 7 rows of 5 or 5 rows of 7.
- The aim of the game is to cover as much of the 'paddock' as possible without overlapping.
- A player can decide to separate or distribute their region (array). For example, instead of 7 x 5 (7 rows of 5), a player may decide to enclose two separate regions such as 5 x 5 (5 rows of 5) and 2 x 5 (2 rows of 5).
- Player who covers most of the paddock is the WINNER!

PADDOCKS GAME



*based on the original activity “Multiplication Toss”, D. Siemon, 2000