

# The Arrays Game

You need:

One six-sided dice

One dice marked with: twos, threes, fours, fives, sixes, eights

Playing Grid (1cm grid paper) per player

Coloured pencils

This game should be played in small groups (2 – 4).

The purpose of this game is to provide opportunity for students to practice constructing arrays and to build fluency with using multiplication separately from repeated addition. This game also highlights the commutative and distributive properties of multiplication. For example, players should realise that 2 fours is the same as 4 twos (commutative). They may also come to realise that 6 fours is the same as 2 fours and 4 fours (distributive).

Each player takes a turn to roll the two dice. The player who rolled the dice must read out the multiplication, for example, 'two fours'. All players cover that array on their grid. The first player to cover all the squares on their grid wins.

