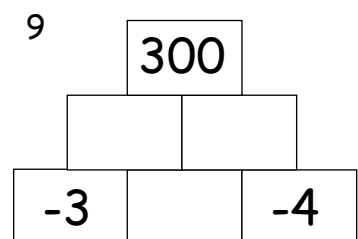
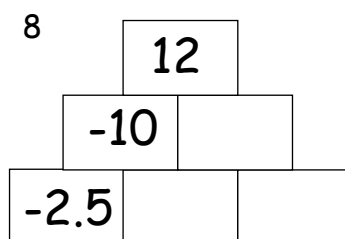
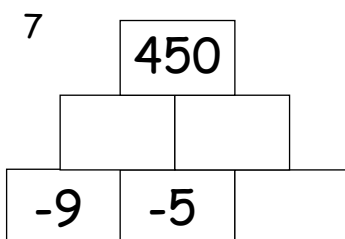
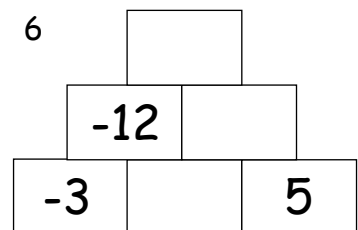
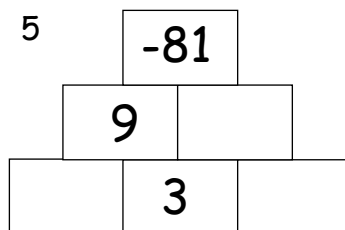
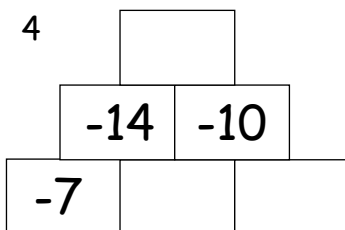
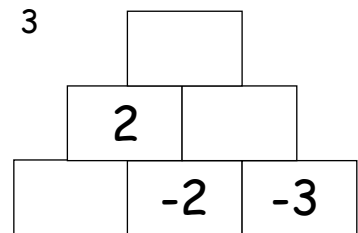
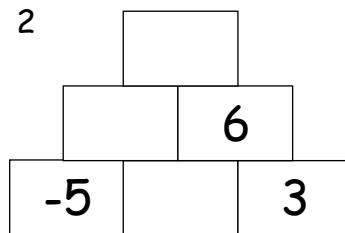
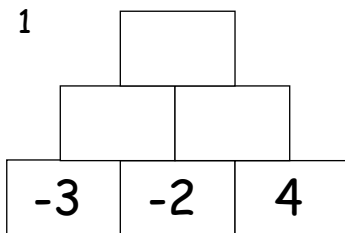


Negative Multiplication Walls

Complete these number walls so that the number in each box is found by multiplying the two numbers below it.

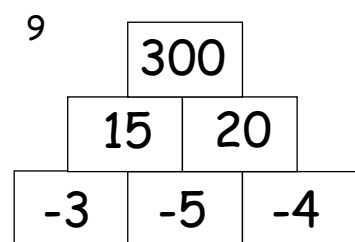
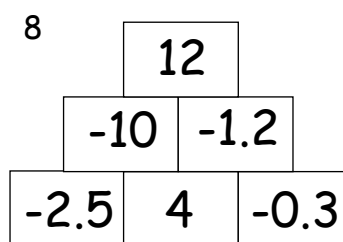
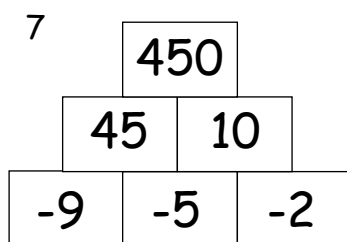
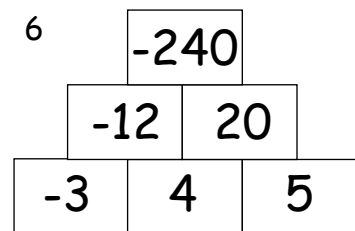
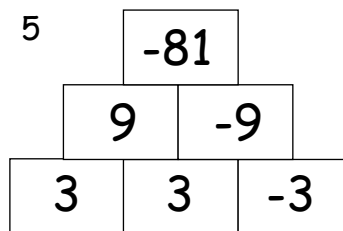
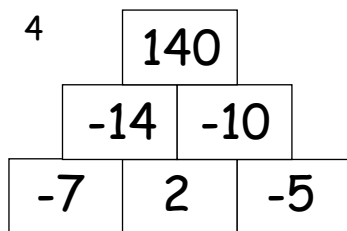
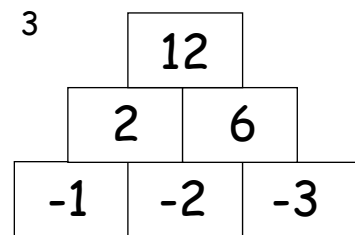
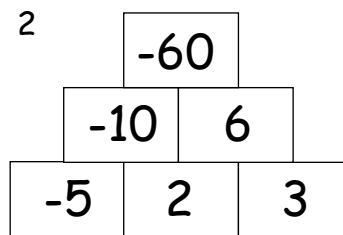
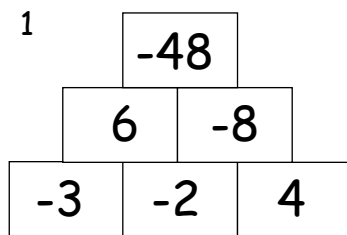


Challenge!

- If you have 3 negative numbers on the bottom row of a multiplication number wall, what can you say about the number at the top?
- Imagine a multiplication number wall which has all the negative numbers coloured red and all the positive numbers coloured black.
 - Find all the different ways in which a number wall could be coloured.
 - Look at all of the walls which have a positive number at the top. What property do they all have in common? Why can there never be a number wall with a negative number at the top, which shares this property?

Teaching Notes Negative Multiplication Walls

Answers



1. The number at the top will be positive

2

a) There are 8 different multiplication walls

b) The walls with a positive number at the top are all symmetrical
There can never be a symmetrical multiplication wall which has a negative number at the top, because in the two spaces below it one number will be positive and one will be negative.