

Using the Area Model to solve two digit multiplication equations:

- 1 Note the the first number in the equation will act as your rows (43)
- 2 The second number will act as your columns (12)
- 3 Split your row number out by place value (4 tens/40 and 3 ones/3)
- 4 Split your column number out by place value (1 ten/10 and 2 ones/2)
- 5 Draw up your areas like the image below
- Starting with your lowest place values first calculate the values of each "area"
- 6 ($2 \times 3 = 6$, $2 \times 40 = 80$, $3 \times 10 = 30$, $40 \times 10 = 400$)
- 7 Add all area values together to calculate the total

Equation

$$43 \times 12 = \underline{516}$$

