

**Draw it**

**bar**

36

9 9 9 9

3 3 3 3 3 3 3 3 3 3

**array**

4 x 9 = 36

**number line**

0 36

**Dissect it**

$4 \times 9 = 4 \times 4 + 4 \times 5$   
 $= 16 + 20$   
 $= 36$

$4 \times 9 = 4 \times 3 + 4 \times 6$   
 $= 12 + 24$   
 $= 36$

$4 \times 9 = 4 \times 5 + 4 \times 4$   
 $= 20 + 16$   
 $= 36$

$4 \times 9 = 4 \times 2 + 4 \times 7$   
 $= 8 + 28$   
 $= 36$



If I know  $4 \times 9 = 36$  then I also know...

$4 \times 9 = 36$

$36 = 9 \times 4$

$36 = 4 \times 9$

$36 \div 4 = 9$

$9 = 36 \div 4$

4 multiplied by 9 is 36

4 groups of 9 is 36

36 shared equally between 4 is 9 each

36 put into groups of 4 is 9 groups of 4

4 and 9 are factors of 36

36 is a multiple of 4 and 9

How many sides are there on nine squares altogether?

Dan saves 36 silver coins. A quarter of them are 20p coins. How many 20p coins does Dan save?

There are nine roses in each vase. How many roses are there in total in 4 vases?

4 people can sit around each table. How many tables are needed to seat 36 people?

$4 = 36 \div 9$

$36 = 9 \times 4$

$\frac{1}{4}$  of 36 = 9

$4 \times 9 = 36$

$9 \div 36 = 4$

True or false?

**Derive it**

**Deepen it**