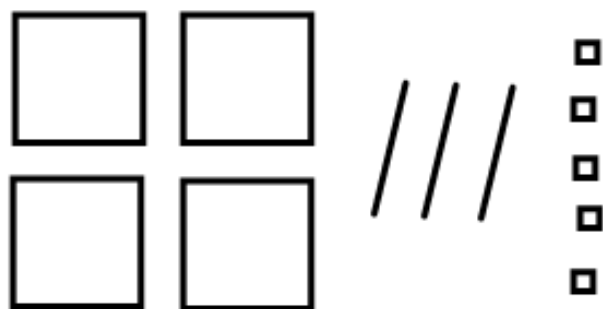# Y3 place value – further practice: partitioning

Partitioning involves breaking down a large number into smaller parts. This is often done by splitting up a 3-digit number into hundreds, tens and ones.

1. Use your knowledge of exchanges to write these equivalent calculations in different ways.

$$400 + \underline{\quad} + 5$$
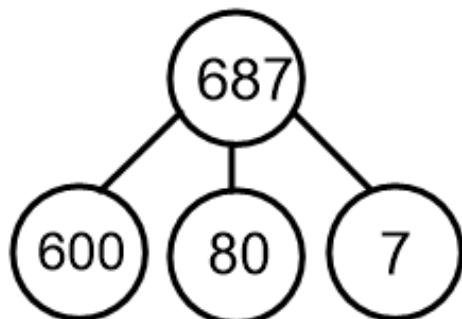
$$\underline{\quad} + 130 + 5$$

$$400 + 20 + \underline{\quad}$$

2. Using exchanges, show this part-whole model in two other ways.
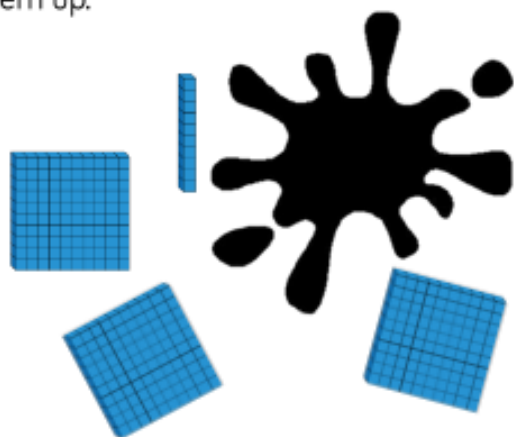
687

600   80   7

3. Joanne describes a number.

"It has 6 hundreds and 27 ones."

What is Joanne's number?

Challenge 1:

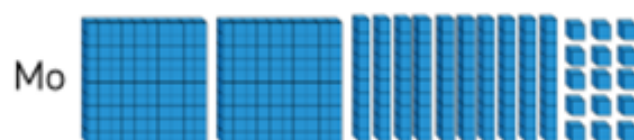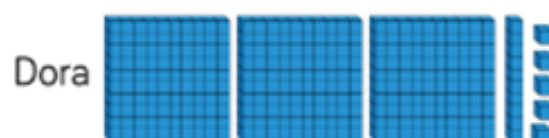Teddy has used Base 10 to represent the number 420. He has covered some of them up.

Work out the amount he has covered up.

How many different ways can you make the missing amount using Base 10?

Challenge 2:

Which child has made the number 315?

Explain how you know.