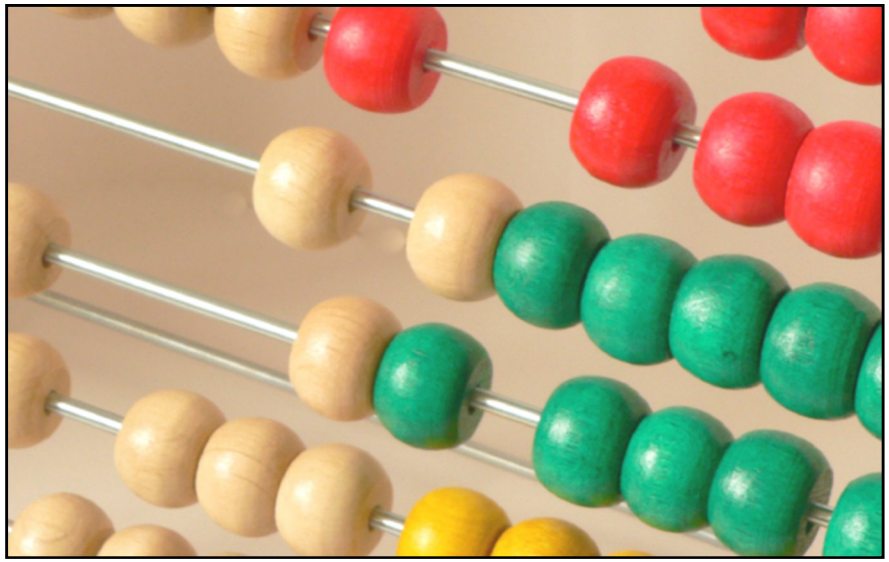
WHAT IS BAR MODELLING?

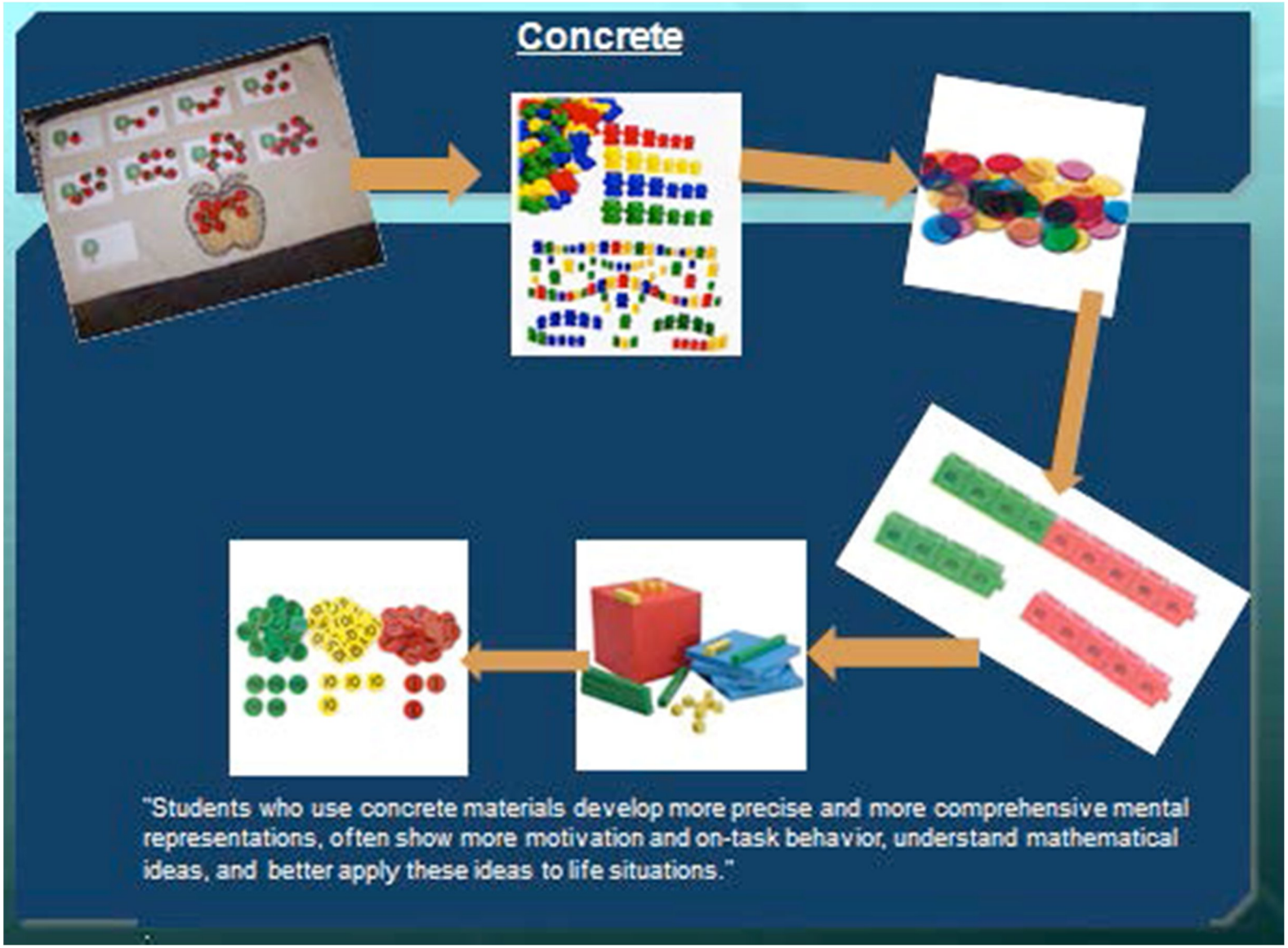


Fressingfield Primary
SHARE mornings
Autumn ‘18

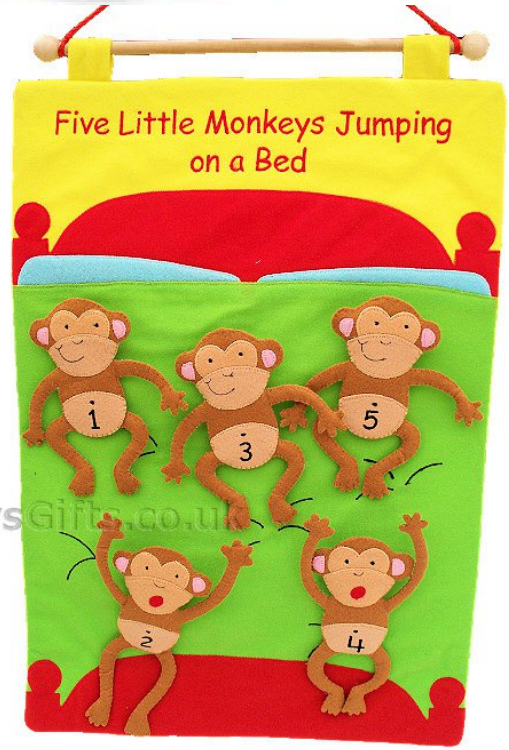
This morning's Aims:

- Briefly introduce Bar Modelling, and how it fits in with our teaching
- Share what this looks like in the classroom in a little more detail, and how it progresses through the school
- For you to experience a range of activities that show Bar Modelling in practice in our classrooms.

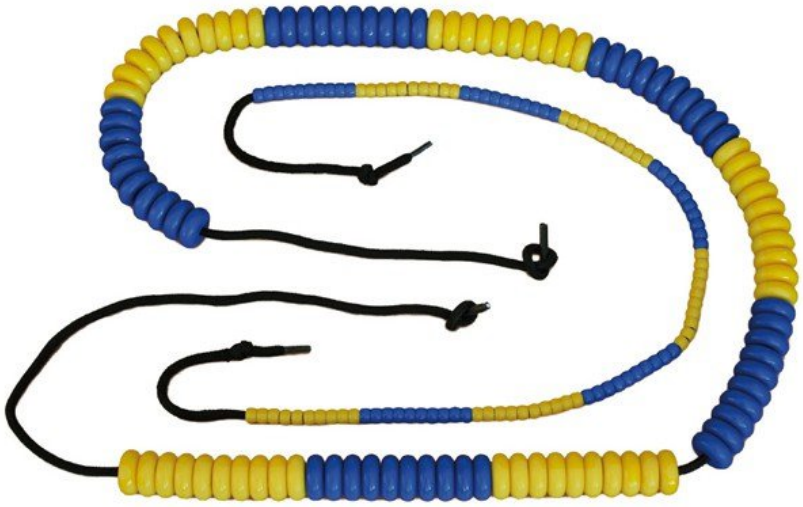
USING PRACTICAL (CONCRETE RESOURCES)



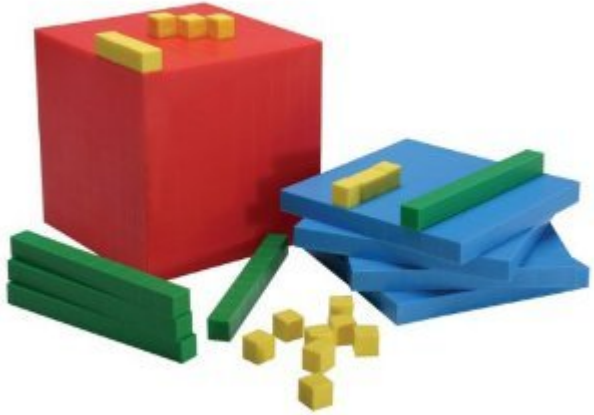
Start with the “real thing” …

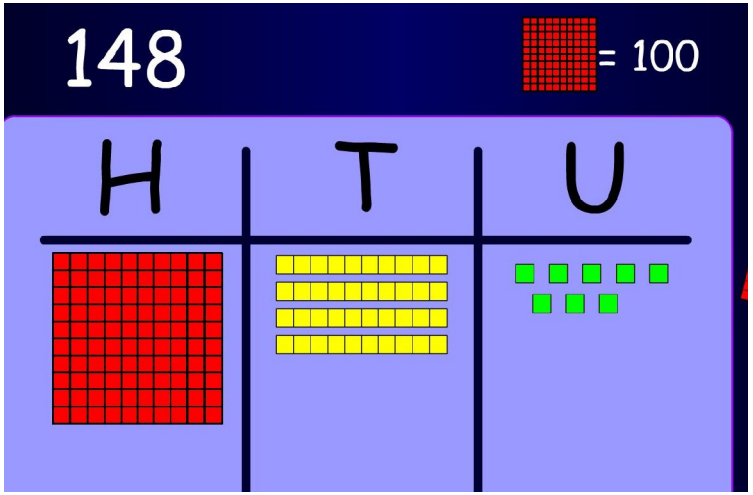


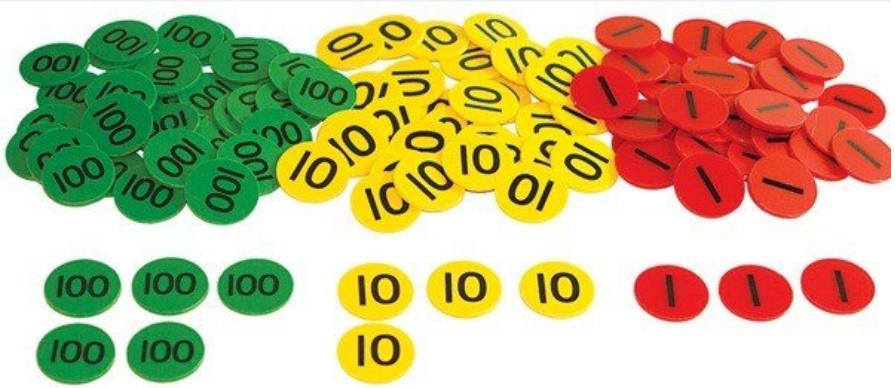
Then representations of the ‘real’ thing…

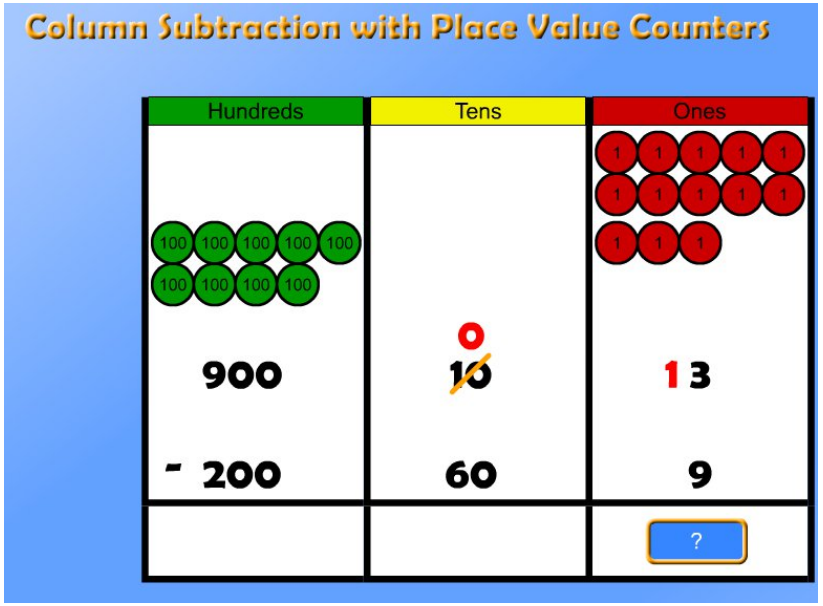


And finally…
place value rods and counters



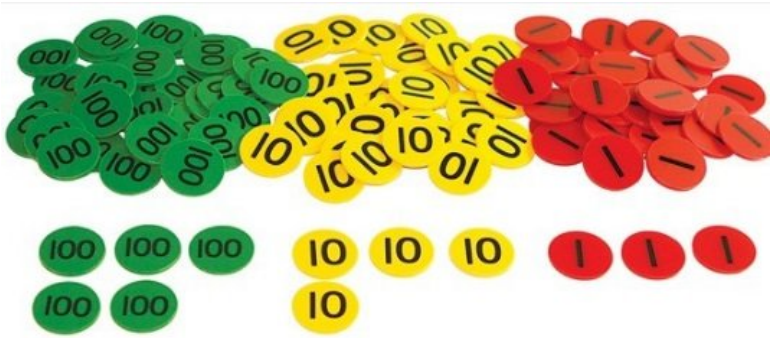




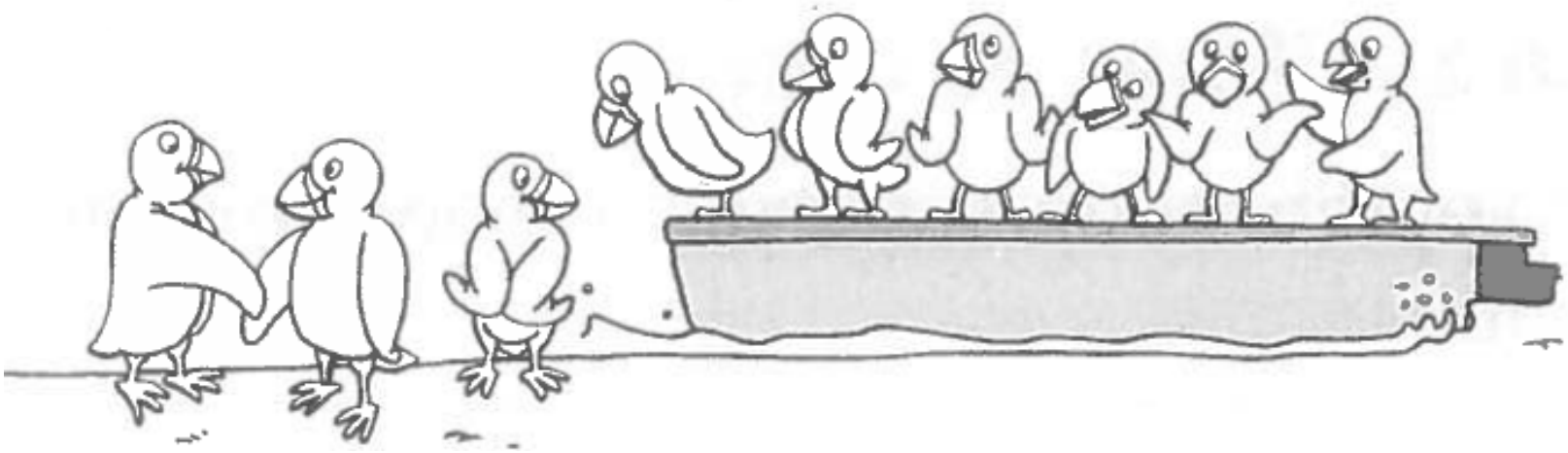


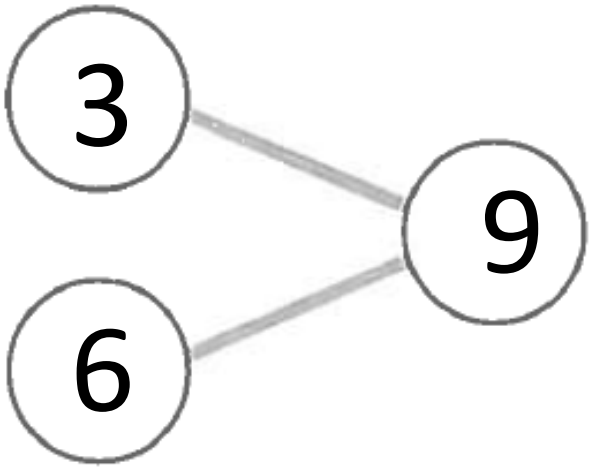
Which resource when?

- Children vary in their level of experience so the teacher will choose the best resource to help the child.
- Later, children can choose for themselves when they need a concrete resource to help them and which one.



Images to support understanding of Maths
Number Bonds- Part-Part-Whole Relationships





How many puffins are swimming? 3 puffins swimming

How many puffins in the boat? 6 puffins in the boat

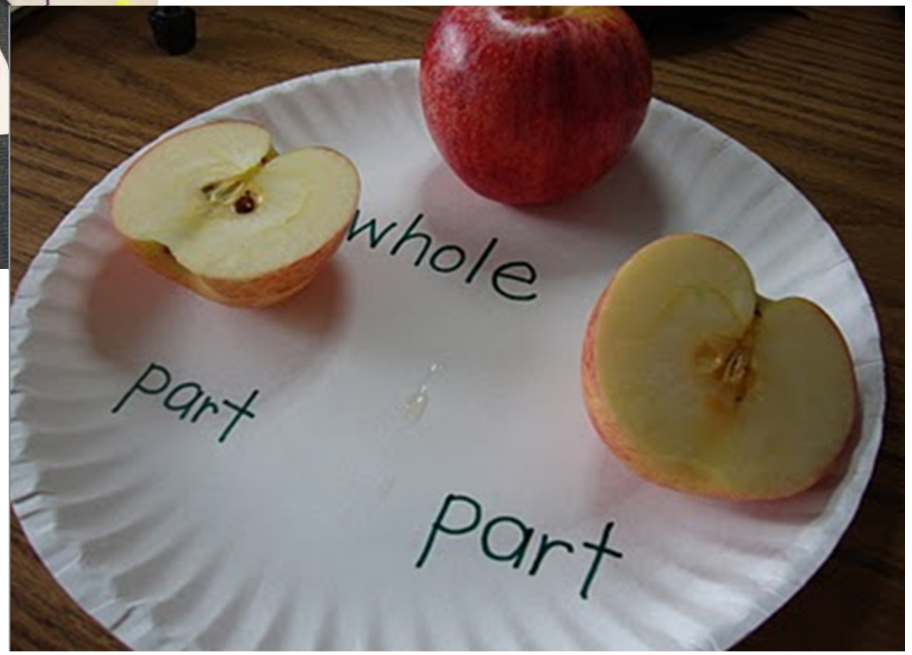
How many puffins altogether? 9 puffins altogther.

3 is a part

6 is a part

9 is the whole amount

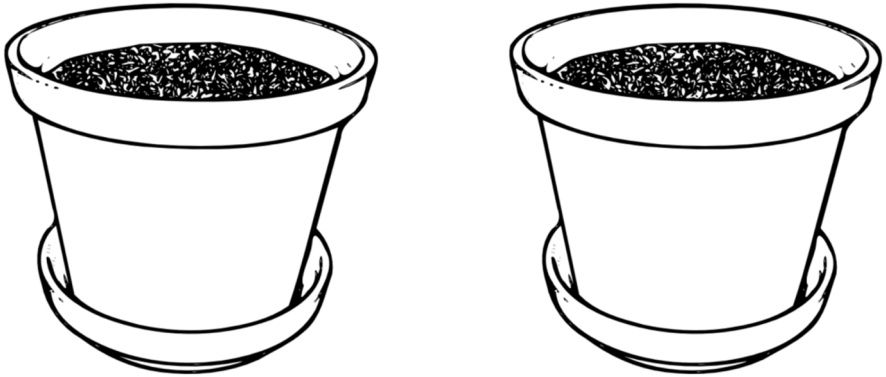
Images to support understanding of Maths
Number Bonds- Part-Part-Whole Relationships

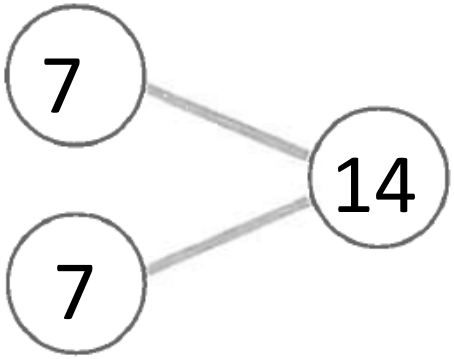


Images to support understanding of Maths
The 'bar' model

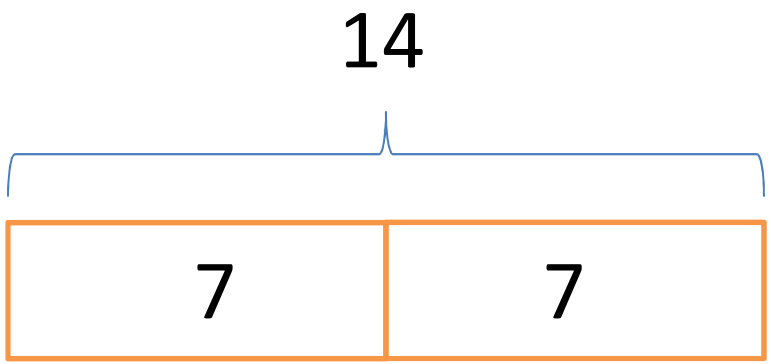
Abi has 2 plant pots.

She plants 7 seeds in each pot.





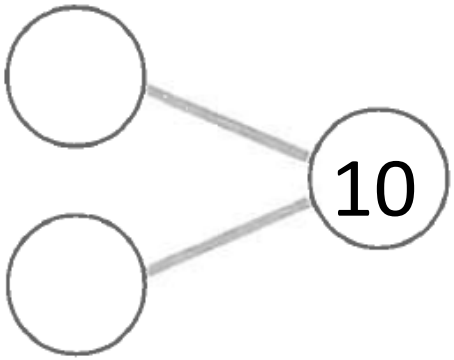
How many seeds does she plant altogether?

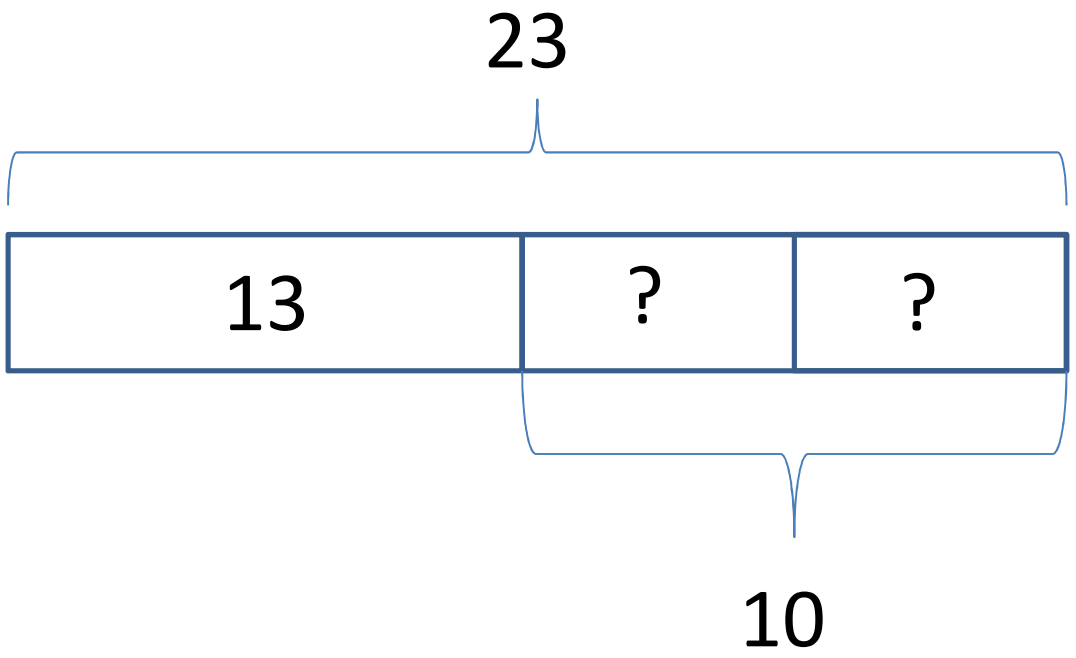


Images to support understanding of Maths
The 'bar' model

Write numbers in the boxes to make this correct.

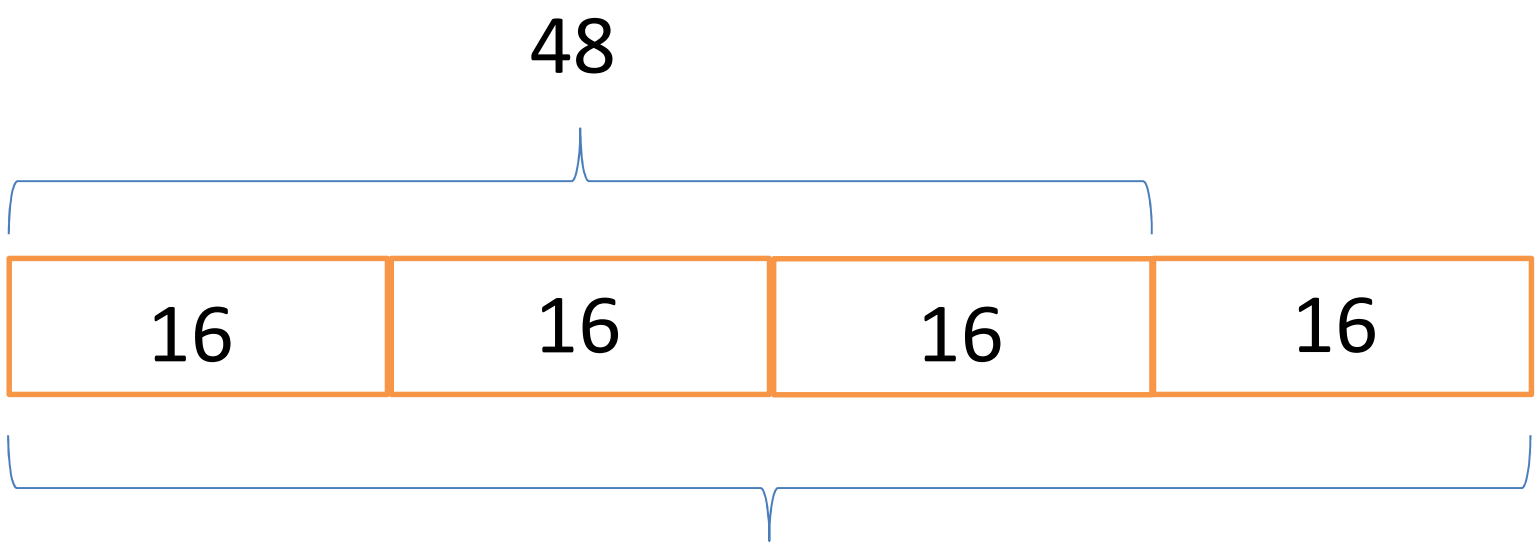
13 + ☐ + ☐ = 23





Images to support understanding of Maths
The 'bar' model

Three-quarters of a number is 48
What is the number?



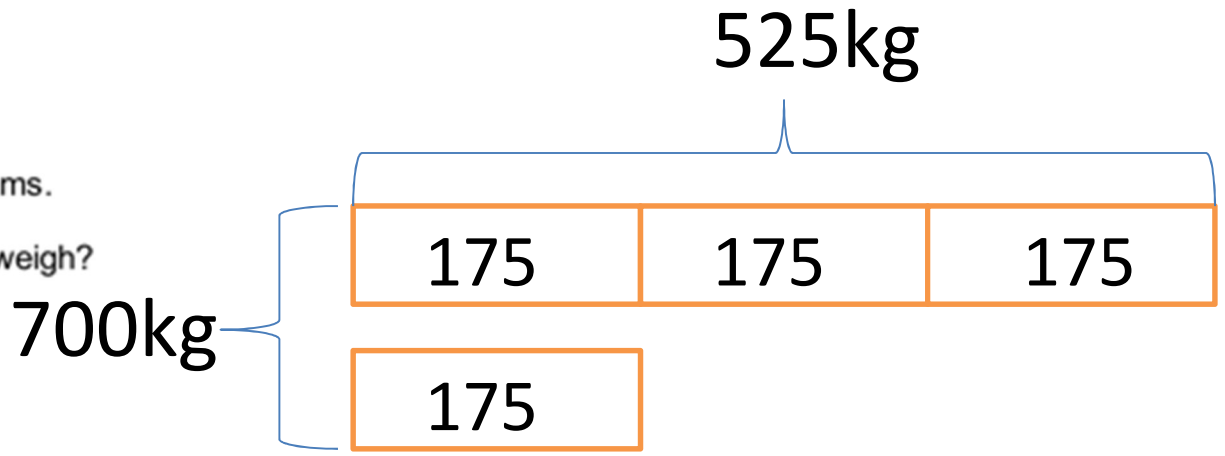
(Divide by the numerator and then multiply by the denominator.)

Images to support understanding of Maths
The 'bar' model

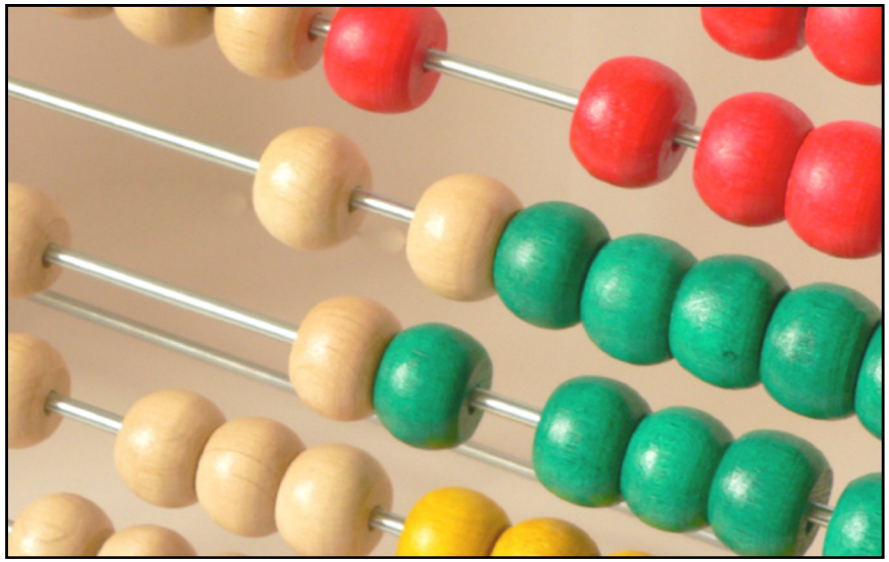
In a zoo, the adult polar bear weighs three times more than the baby elephant.

Together they weigh **700** kilograms.

How much does the polar bear weigh?



THANK YOU FOR LISTENING!



Please visit the classrooms to see Bar Modelling in action around the school.