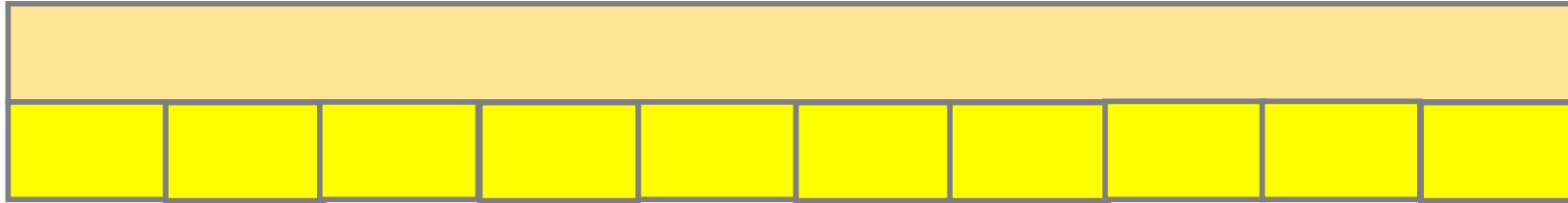


- Today we will find percentages of numbers

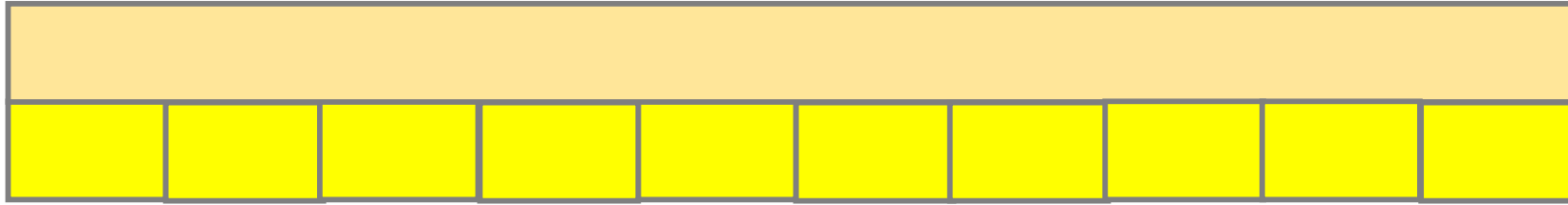
We can use a bar model to find 10%



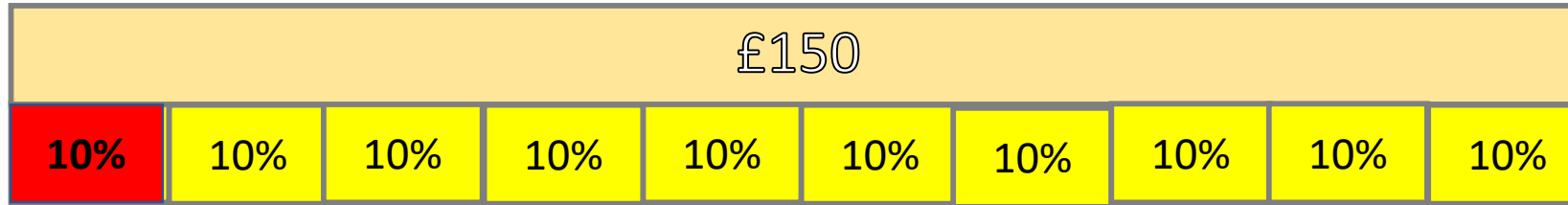
First of all let's make some FDP connections.

What can you tell me about 10%?

Can you find an equivalent fraction and decimal?



$$10\% \text{ of } \pounds 1.00 = 10\text{p} = 0.10 = 0.1 = \frac{10}{100} = \frac{1}{10}$$

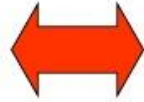
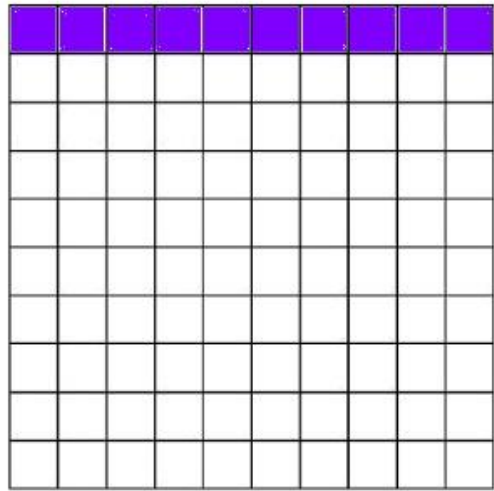


So 10% is one tenth of an amount.

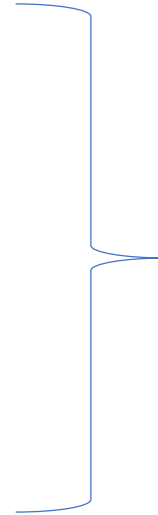
To find 10% we need to share out the whole number.
between 10 parts.

We need to do division.

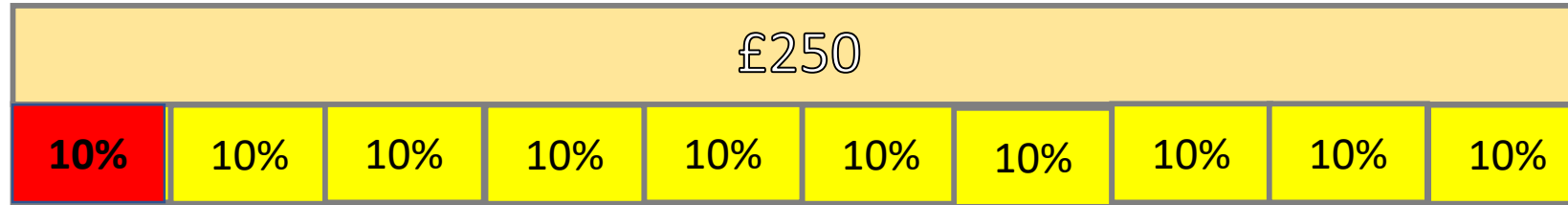
$$? \div 10 =$$



$$\begin{array}{r} \underline{10} \\ 100 \\ 10 \text{ hundredths} \\ 0.10 \end{array} = \begin{array}{r} \underline{1} \\ 10 \\ 1 \text{ tenth} \\ 0.1 \end{array}$$



So to find 10% (one tenth) we need to share out the number between 10 parts. The answer is one tenth or 10%



Miss Dunlea raised £250 at the book sale.

10% of the profit will be used to buy new books for nursery.


How much money will nursery have for new books?



$$£250 \div 10 =$$

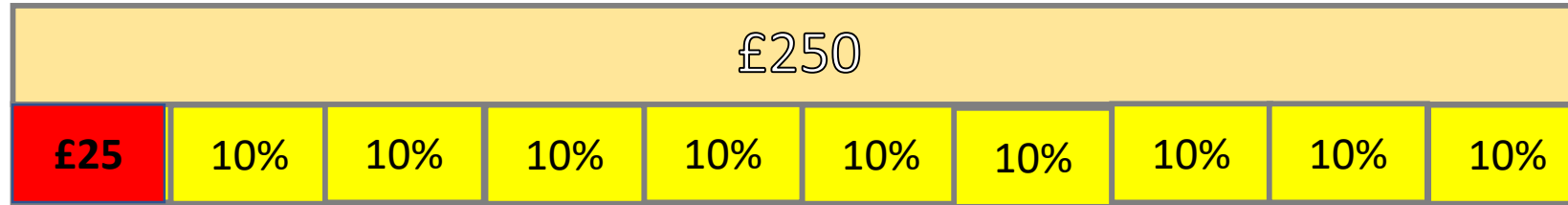
Remember when we divide by 10
the number gets 10x smaller,
the digits jump to the right
on the place value chart
e.g. $32 \div 10 = 3.2$

Th	H	T	U	.Tths	Thths
		3	2	.	



			3	.	2	
--	--	--	---	---	---	--

$32 \div 10 =$



Miss Dunlea raised £250 at the book sale.

10% of the profit will be used to buy new books for nursery.

How much money will nursery have for new books?

$£250 \div 10 = £25$ You don't need short division, you can find 10% with the placevalue chart... (mentally!)

Nursery will have £25 to spend on books.



- Now work through the questions on the other Power point.

