Use the fact that division is the inverse (opposite) of multiplication to help you!

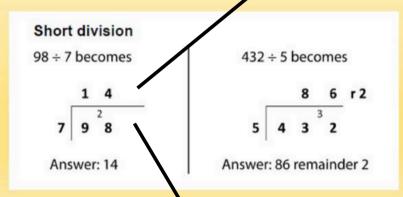
This method makes the division more simple. Don't forget the place value!

The '2' is what's left over. This 20 is added to the 8. Now how many 7s are in 28?

Formal division methods

Year 4:

- Pupils should be taught to recall multiplication and division facts for multiplication tables up to 12×12
- Pupils practise to become fluent in the formal written method of short multiplication and short division with exact answers



The inverse!

This is the same as 90 divided by 7 or how many 7s in 90?

We write a '1' as there are 10 7s in 90 with a remainder. There can't be a 2 here as 20 x 7 = 140 which is much higher than 90.

Can you write remainders as fractions or decimals? How do the relate to each other?

Bronze

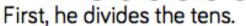
Varied Fluency



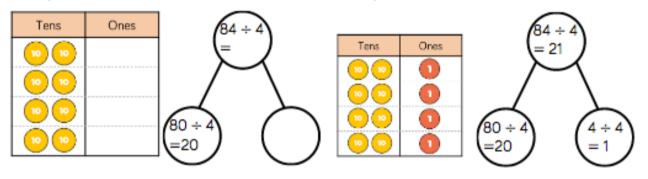
Jack is dividing 84 by 4 using place value counters.

10 10 10 10 10 10 10 11 11





Then, he divides the ones.



Use Jack's method to calculate:

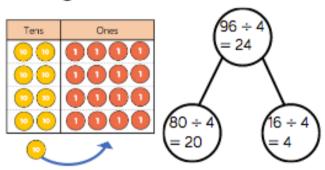
$$69 \div 3$$

$$88 \div 4$$

$$96 \div 3$$



Rosie is calculating 96 divided by 4 using place value counters. First, she divides the tens. She has one ten remaining so she exchanges one ten for ten ones. Then, she divides the ones.



Use Rosie's method to solve $65 \div 5$ $75 \div 5$ $84 \div 6$

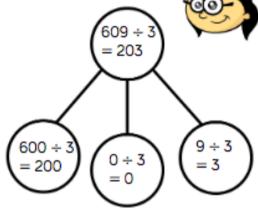
Silver

Varied Fluency



Annie is dividing 609 by 3 using place value counters.

Hundreds	Tens	Ones	
100 100			
100 100		000	
100 100		000	



Use Annie's method to calculate the divisions.

$$906 \div 3 \quad 884 \div 4 \quad 884 \div 8$$

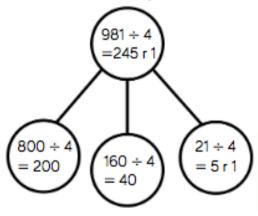
$$884 \div 4$$

$$884 \div 8$$

$$489 \div 2$$



Rosie is using flexible partitioning to divide 3-digit numbers. She uses her place value counters to support her.



Hundreds	Tens	Ones	
00	0000	00000	
00	0000	00000	
00	0000	00000	
00	0000	00000	



Use Rosie's method to solve:

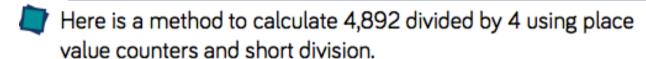
$$726 \div 6$$

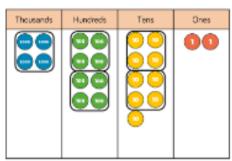
$$846 \div 7$$

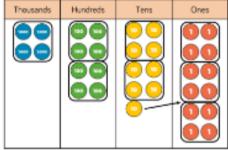
Silver - Consolidation

Gold

Varied Fluency







	1		2	
4	4	8	9	12

Use this method to calculate:

$$2,472 \div 3$$

Mr Porter has saved £8,934
He shares it equally between his three grandchildren.
How much do they each receive?

 \bigcirc Use <, > or = to make the statements correct.

$$3,495 \div 5$$



$$3,495 \div 3$$

$$8,064 \div 7$$



$$9,198 \div 7$$



$$5,685 \div 5$$

Challenge

A farmer is packing eggs.

Each box holds six eggs.



The farmer has 980 eggs to pack.

How many boxes can the farmer fill using 980 eggs?

full boxes

How many eggs will be left over?

left over