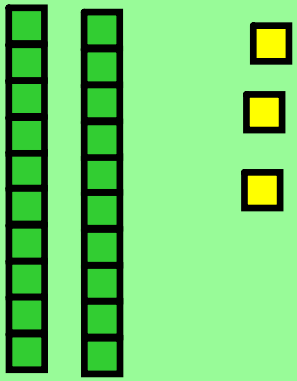
Monday 30th March 2020

L.O. To use the expanded column method to solve addition questions

L.O. To use the expanded column method to solve addition questions

We can partition 2 digit numbers into tens and ones

T	O
2	3



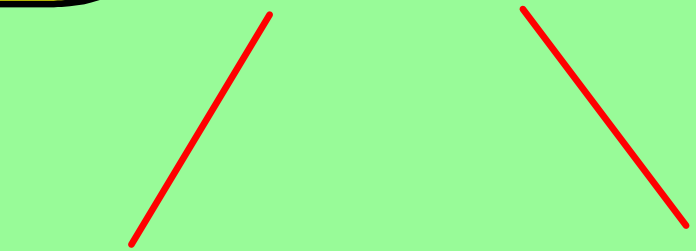
2 tens

3 ones

L.O. To use the expanded column method to solve addition questions

We can partition 2 digit numbers into tens and ones

Tens	Ones
1	3

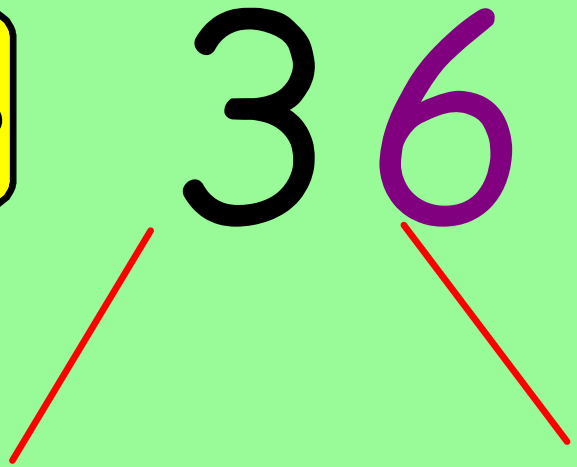


10 + 3 = 13

L.O. To use the expanded column method to solve addition questions

Tens Ones

We can partition 2 digit numbers into tens and ones



30 + 6 = 36

3

L.O. To use the expanded column method to solve addition questions

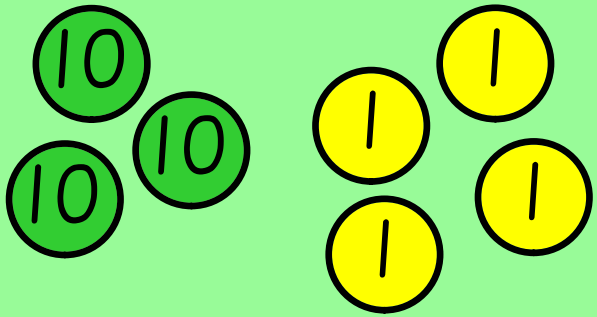
Partition these numbers into tens and ones

	T	O
42 =	_____ +	_____
57 =	_____ +	_____
80 =	_____ +	_____
14 =	_____ +	_____

L.O. To use the expanded column method to solve addition questions

We can use 10s and 1s counters too

T	O
3	4



L.O. To use the expanded column method to solve addition questions

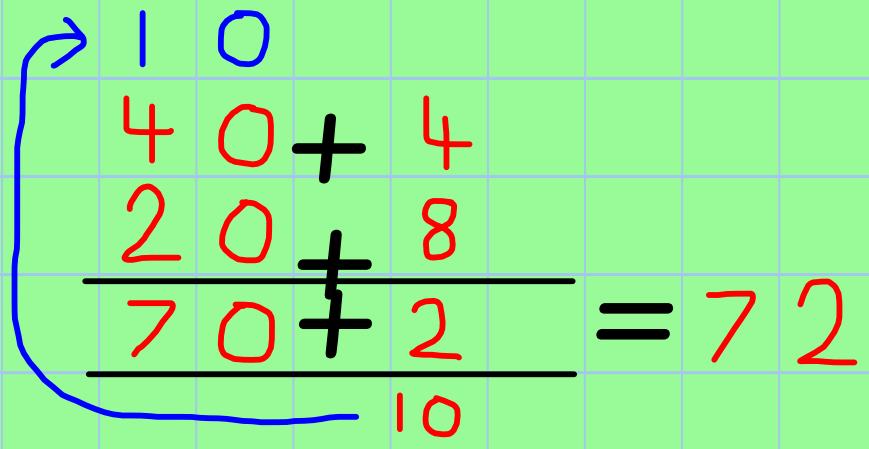
23 + 15 =

	T	O
	20	+ 3
+	10	+ 5
	30	+ 8 = 38

L.O. To use the expanded column method to solve addition questions

44 + 28 =

It's really important that you don't forget to add this ten on. It's a very common mistake!



23 + 13 =	27 + 24 =	45 + 26 =
65 + 12 =	45 + 16 =	49 + 29 =
17 + 38 =	35 + 14 =	60 + 18 =
28 + 15 =	38 + 38 =	72 + 27 =
39 + 26 =	51 + 43 =	67 + 23 =

Extension -

James and Ali count cars in the Lake District.

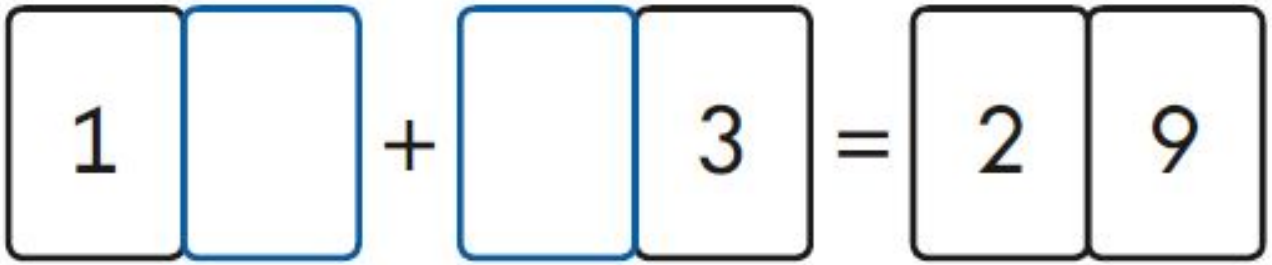
James counts 24 red cars.

Ali counts 18 blue cars

How many cars do they count altogether?

Extension 2 -

Put a **digit** into each empty box to make the calculation correct.



Extension 3 -

Use four **different** number cards to complete the number sentences below.

5	15	25	35	45	55

$\square + \square = 60$

$\square + \square = 60$

Tuesday 31st March 2020

L.O. To use the expanded column method to solve subtraction questions

L.O. To use the expanded column method to solve subtraction questions

Partition these numbers into tens and ones

	T	O
63 =	_____	+ _____
17 =	_____	+ _____
29 =	_____	+ _____
80 =	_____	+ _____

L.O. To use the expanded column method to solve subtraction questions

28 - 13 =

You have to remember that it's a subtraction problem so put the - sign to remind you.

	T	O
	20	+ 8
−	10	+ 3
	10	+ 5 = 15

Make sure you subtract the bottom number from the top number. It's a common mistake to subtract these numbers in the wrong order!

L.O. To use the expanded column method to solve subtraction questions

74 - 38 =

It's really important that you remember that you've taken a 10 off. It's another very common mistake to subtract using the original number!

$$\begin{array}{r} 60+14 \\ -\ 30+8 \\ \hline 30+6 \end{array} = 36$$

You have to do 4 - 8 (which you can't do) not 8 - 4

23 - 12 =	97 - 24 =	45 - 26 =
65 - 23 =	45 - 26 =	99 - 29 =
73 - 38 =	85 - 19 =	50 - 18 =
68 - 15 =	74 - 38 =	72 - 27 =
33 - 26 =	61 - 43 =	90 - 23 =

Extension 1 -

Ben has **63** beads.

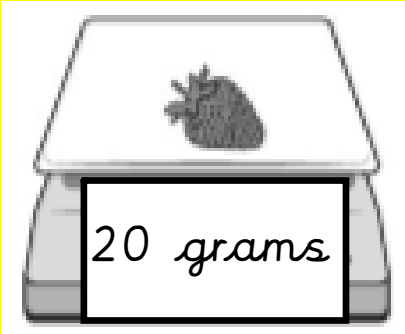
He gives **37** beads away.

How many beads does Ben have **left**?

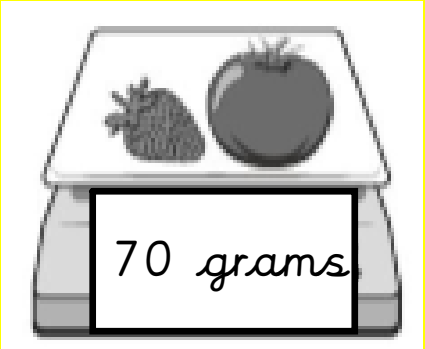
beads

Extension 2 -

One strawberry weighs 20 grams.



The strawberry and tomato weighs 70 grams.



What does the tomato weigh?

Extension 3 -

Ben has **90p**.

He buys **2** tickets.

Each ticket costs **35p**.

How much money does Ben have **left**?

Show your working

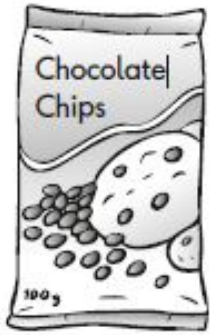
Extension 4 -

There are **100g** of chocolate chips in the bag.

Sita uses **25g**.

Ben uses **35g**.

How many grams of chocolate chips are **left** in the bag?



Show your working

Wednesday 1st April 2020

L.O. to solve multiplication problems

L.O. to solve multiplication problems

$3 \times 5 =$

You could use a bar model

$8 \times 3 =$

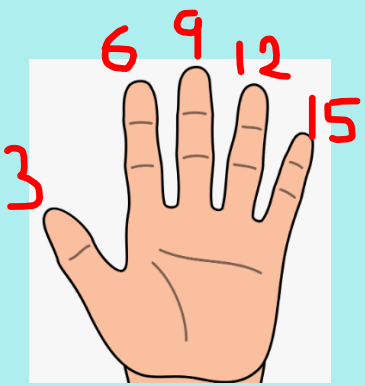
$3 \times 5 = 15$
5 5 5

$8 \times 3 = 24$
3 3 3 3 3 3 3 3

Do whichever you find easiest. 3 fives or 5 threes. It will be the same answer.

L.O. to solve multiplication problems

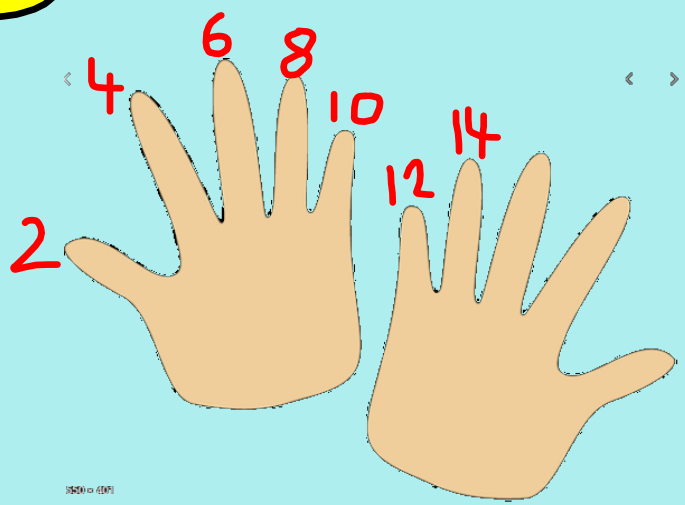
$3 \times 5 =$



Do whichever you find easiest. 3 fives or 5 threes. It will be the same answer.

You could count up on your fingers.

$7 \times 2 =$



L.O. to solve multiplication problems

If it's x 2 you can use your doubles.

If it's x 10 use the trick of adding a 0.

You could draw arrays (circles in rows).

Use whichever method works for you as long as you get the right answer!

2 X 6 =	3 X 6 =	= 10 X 4
7 X 5 =	2 X 8 =	= 5 X 5
8 X 3 =	3 X 9 =	= 3 X 7
9 X 2 =	10 X 0 =	= 5 X 6
9 X 10 =	5 X 8 =	= 1 X 3

L.O. to solve multiplication problems

Extension 1 -

Miss Smith needs **30** apples for her class.

There are **5** apples in each bag.

How many **bags** of apples does Miss Smith need altogether?

bags

L.O. to solve multiplication problems

Extension 2 -

Ben has **five** marbles.

Kemi has **seven times** that number.

How many marbles does Kemi have?

marbles

L.O. to solve multiplication problems

Extension 3 -

A classroom has **6** tables.

Each table has **5** children sitting at it.

Complete the number sentence to show how many children there are **altogether**.

□ × □ = □ children

L.O. to solve multiplication problems

Extension 4 -

$4 \times \square = 6 \times 2$

Thursday 2nd April 2020

L.O. to solve division problems

L.O. to solve division problems

You could use a bar model

15 ÷ 3 =

15 ÷ 3 = 5
3 3 3 3 3

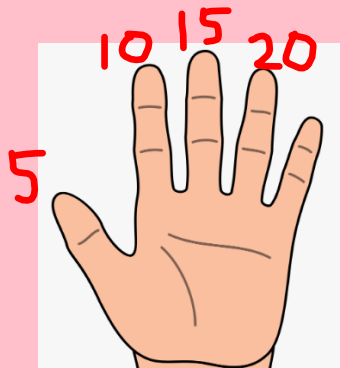
12 ÷ 2 =

12 ÷ 2 = 6
2 2 2 2 2 2

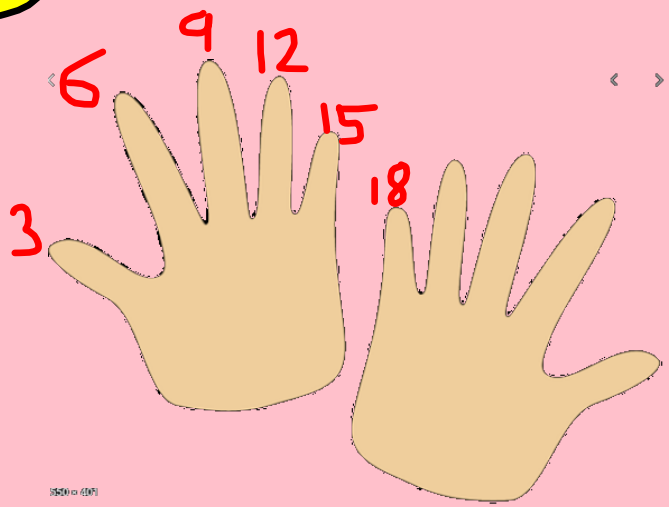
L.O. to solve division problems

$20 \div 5 = 4$

You could count up on your fingers.



$18 \div 3 = 6$



$20 \div 5 =$

$12 \div 3 =$

$80 \div 10 =$

$35 \div 7 =$

$27 \div 3 =$

$10 \div 2 =$

$15 \div 3 =$

$25 \div 5 =$

$40 \div 10 =$

$45 \div 5 =$

$= 10 \div 5$

$= 55 \div 5$

$= 24 \div 2$

$= 24 \div 3$

$= 10 \div 10$

L.O. to solve division problems

Extension 1 -

A shopkeeper has **20** fish and **5** fish bowls.

He puts the same number of fish in each bowl.

How many fish go in each bowl?

fish

L.O. to solve division problems

Extension 2 -

Ajay has **20p** in 2p coins.

How many 2p coins does Ajay have?

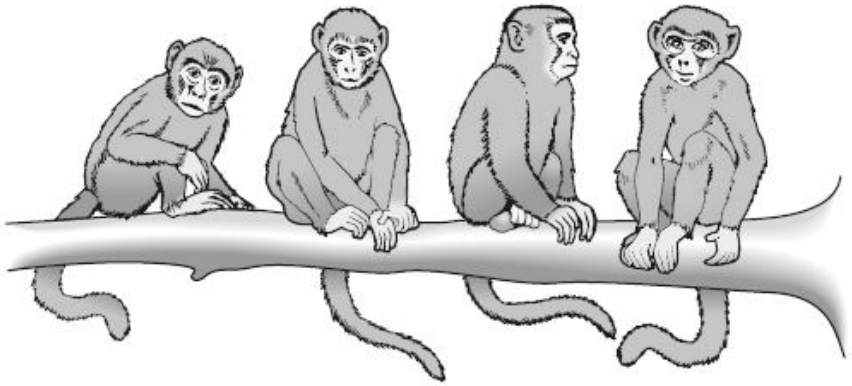
coins

L.O. to solve division problems

Extension 3 -

20 bananas are shared equally among **4** monkeys.

How many bananas does **each** monkey get?

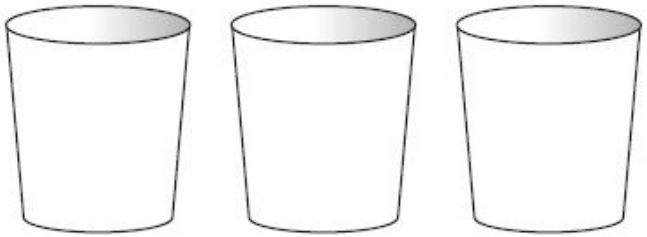


L.O. to solve division problems

Extension 4 -

Ajay has **30** pencils.

He shares them equally between **3** pots.



Complete the number sentence to show how Ajay shares the pencils.

□ ÷ □ = □

Extension 5 -

Amy makes **20** cakes.

She shares the cakes between **5** plates.

Tick the calculation that shows how many cakes are on each plate.

Tick **one**.

20 + 5 = 25	☐
20 – 5 =15	☐
20 ÷ 5 = 4	☐
20 × 5 = 100	☐

Friday 3rd April 2020

L.O. to use the 4 main operations to solve number sentences

$8 \times 5 =$	$5 \times 8 =$	$= 57 - 23$
$12 \div 2 =$	$14 + 73 =$	$= 34 + 43$
$84 - 15 =$	$25 \div 5 =$	$= 18 \div 2$
$35 + 38 =$	$41 - 27 =$	$= 3 \times 8$
$27 \div 3 =$	$36 + 27 =$	$= 72 - 47$