# L.O: Arithmetic - addition success criteria

- To add two digit and one digit numbers
- To add two digit and two digit numbers
- To add using column method
- To add using column method with exchanging

# Lets have a go!

1.31 + 8 =

2.43 + 29 =

3.67 + 79 =

#### How did we do?

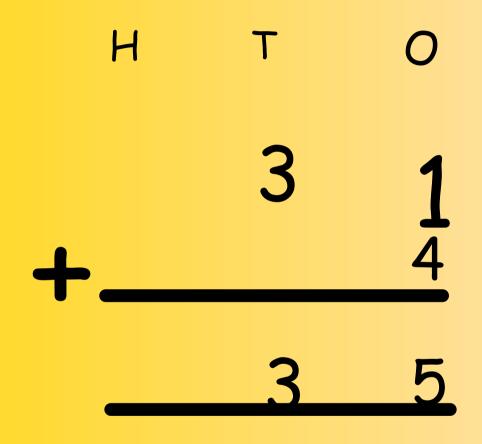
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1.31 + 8 = 42
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$$2.43 + 29 = 72$$

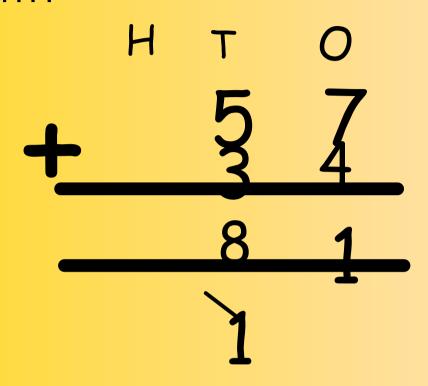
$$3.67 + 79 = 146$$

\* Remember your score out of 3\*

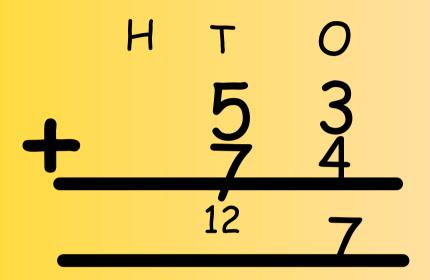
WHAT IS THIS? DESCRIBE IT TO YOUR PARTNER AND TELL US HOW IT WORKS.



WAIT A SECOND, SOMETHING IS DIFFERENT HERE, WHAT HAS CHANGED AND WHY?



WHAT HAS GONE WRONG HERE? EXPLAIN THE MISTAKE AND HOW TO FIX IT?



#### Lets have a look at two calculations

A. 
$$62 + 7 = B. 39 + 8 =$$

When using written method (column method) what is the key difference that would occur between these two when working out?

Question A does not require any exchanging because when adding the units the answer is 9

Question B however does require exchanging, talk to your partner and explain why t.p.s.

#### Lets have a look at two more calculations

A. 52 + 39 = B. 76 + 36 =

When using written method (column method) what is the key difference that would occur between these two when working out.

This calculation requires you to exchange the ones into a 10 however the answer is still a 2 digit number

Question B requires you to exchange ones into tens as well as tens into hundreds. which would you exchange first?

# Have a go

$$1.51 + 16 =$$

$$2.47 + 39 =$$

$$3.77 + 54 =$$

# Show us how it's done.

1.51 + 16 = 67

### Show us how it's done.

$$2.47 + 39 = 86$$

### Show us how it's done

$$3.77 + 54 = 131$$

Think back to your score at the start of the lesson, this will help you to decide where to start with your work.

1/3 or zero

2/3

3/3

	*		**		***
A1.0	10 + 77	B1.0	11 + 69	C1.0	54 + 860
12.0	3 + 93	B2.0	67 + 25	C2.0	653 + 23
13.0	30 + 7	B3.0	69 + 12	C3.0	72 + 688
4.6	32 + 10	B4.0	68 + 31	C4.0	25 + 295
A5.0	84 + 10	B\$.U	19 + 65	CS.U	59 + 826
46.D	9 + 20	B6.5	15 + 49	C6.t/	56 + 474
17.0	4 + 34	B7.U	28 + 58	C7.60	80 + 237
u.v	10 + 42	84.0	14 + 46	C8.0	477 + 77
A9.&	60 + 10	B9.5	15 + 39	C9.0	98 + 340
A10.0	10 + 43	B10.U	49 + 14	C10.0	51 + 487

## Mark you answers in green pen

	*		**		***
A1.0	87	B1.0	80	C1.0	914
2.0	96	B2.0	92	C2.0	676
13.0	37	B3.0	81	C3.0	760
4.0	42	B4.0	99	C4.0	320
A5.0	94	B5.0	84	C5.63	885
A6.0	29	B6.0	64	C6.0	530
i7.5i	38	B7.5	86	C7.6	317
u8.8)	52	B8.0	60	C8.0	554
A9.0	70	B9.0	54	C9.0	438
A10.0	53	B10.0	63	C10.0	538