

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?

1.  $31 + 8 = 42$

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.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 1 \\ + \quad 4 \\ \hline 3 \quad 5 \end{array}$$





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	$54 + 860$
A2.0	$3 + 93$	B2.0	$67 + 25$	C2.0	$653 + 23$
A3.0	$30 + 7$	B3.0	$69 + 12$	C3.0	$72 + 688$
A4.0	$32 + 10$	B4.0	$68 + 31$	C4.0	$25 + 295$
A5.0	$84 + 10$	B5.0	$19 + 65$	C5.0	$59 + 826$
A6.0	$9 + 20$	B6.0	$15 + 49$	C6.0	$56 + 474$
A7.0	$4 + 34$	B7.0	$28 + 58$	C7.0	$80 + 237$
A8.0	$10 + 42$	B8.0	$14 + 46$	C8.0	$477 + 77$
A9.0	$60 + 10$	B9.0	$15 + 39$	C9.0	$98 + 340$
A10.0	$10 + 43$	B10.0	$49 + 14$	C10.0	$51 + 487$

# Mark you answers in green pen

★	★★	★★★
A1.0 87	B1.0 80	C1.0 914
A2.0 96	B2.0 92	C2.0 676
A3.0 37	B3.0 81	C3.0 760
A4.0 42	B4.0 99	C4.0 320
A5.0 94	B5.0 84	C5.0 885
A6.0 29	B6.0 64	C6.0 530
A7.0 38	B7.0 86	C7.0 317
A8.0 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