

L.O: Arithmetic - subtraction

success criteria

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

Lets have a go!

1. $39 - 8 =$

2. $43 + 9 =$

3. $163 - 17 =$

How did we do?

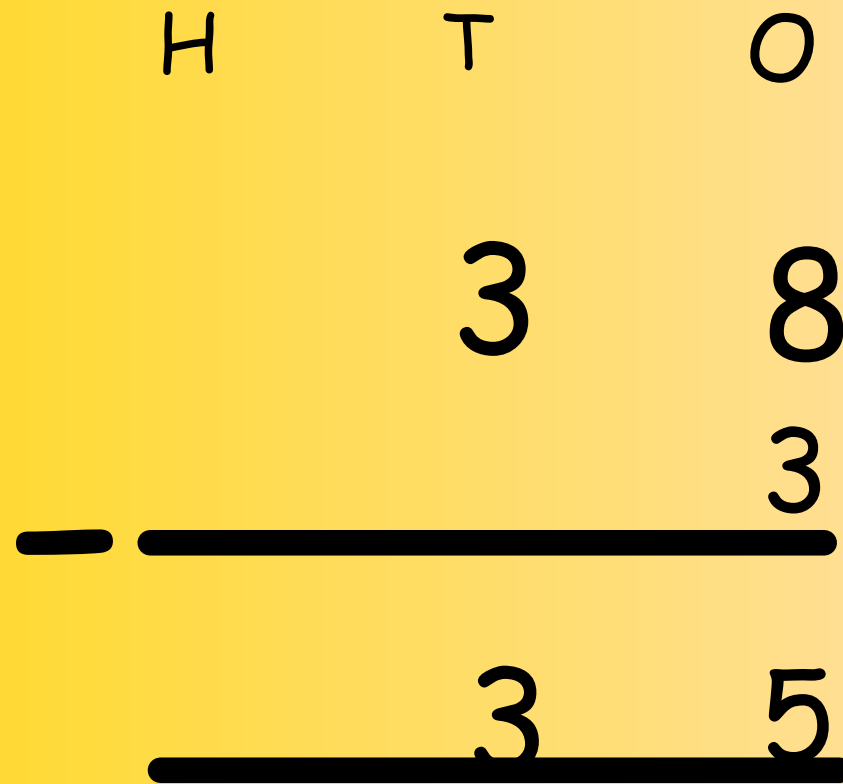
1. $39 - 8 = 31$

2. $43 + 9 = 44$

3. $63 - 17 = 46$

* Remember your score out of 3*

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



WAIT A SECOND, I NEED TO DO SOMETHING DIFFERENT HERE, WHAT HAS CHANGED AND WHY?

	H	T	O
		5	4
-			9
<hr/>			
<hr/>			

	H	T	O
		5 ⁴	¹ 4
-			9
<hr/>			
		4	5

We couldn't take 9 away from 4 so we had to exchange a ten into ones.

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

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 5 \quad 4 \\ - \quad 7 \quad 3 \\ \hline 1 \quad 2 \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 5 \quad 4 \\ - \quad 7 \quad 3 \\ \hline 8 \quad 1 \\ \hline \hline \end{array}$$

They did not exchange a hundred into tens and instead took 5 away from 7 which is the wrong thing to do.

Lets have a look at two calculations

$$57 - 16 =$$

Which column method represents this number sentence correctly and why?

A.

H T O

5 7

1 6



B.

H T O

1 6

5 7



Column A is correct because it represents $57 - 16$. Column B represents $16 - 57$.

REMEMBER THE ORDER OF THE NUMBERS IS IMPORTANT. THE BIGGER NUMBER GOES AT THE TOP.

Show us how it's done.

$$1. 77 - 16 =$$

Show us how it's done.

$$1. 77 - 16 = 61$$

Show us how it's done

$$2. 47 - 39 =$$

Show us how it's done

$$2. 47 - 39 = 8$$

Show us how it's done

$$3. 277 - 188 =$$

Show us how it's done

$$3. 277 - 188 = 90$$

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 $36 - 2$

A2.0 $46 - 4$

A3.0 $19 - 8$

A4.0 $66 - 6$

A5.0 $37 - 5$

A6.0 $56 - 4$

A7.0 $98 - 5$

A8.0 $14 - 4$

B1.0 $73 - 55$

B2.0 $30 - 17$

B3.0 $92 - 27$

B4.0 $27 - 18$

B5.0 $91 - 72$

B6.0 $70 - 69$

B7.0 $25 - 18$

B8.0 $72 - 24$

C1.0 $439 - 79$

C2.0 $547 - 60$

C3.0 $790 - 63$

C4.0 $460 - 90$

C5.0 $134 - 94$

C6.0 $835 - 64$

C7.0 $880 - 45$

C8.0 $561 - 96$

Mark your answers

A1.0 34

A2.0 42

A3.0 11

A4.0 60

A5.0 32

A6.0 52

A7.0 93

A8.0 10

B1.0 18

B2.0 13

B3.0 65

B4.0 9

B5.0 19

B6.0 1

B7.0 7

B8.0 48

C1.0 360

C2.0 487

C3.0 727

C4.0 370

C5.0 40

C6.0 771

C7.0 835

C8.0 465