

1/10/21

Day 5 Challenge

NASTY MATHS!

WALT add and subtract 100s, 10s and 1000s

(You should only try this if you really struggle with the Mega Challenge)

Thousands	Hundreds	Tens	Ones
5	3	8	2

Add 3 hundred to the number.
Subtract 4 thousands from the answer.
Next, add 9 ones.
Finally, subtract 4 tens.

What number do you have now?

WALT add and subtract

Eluency

1.

Work out the calculations.

Use the place value chart to help you.

1,000s	100s	10s	1s
5	3	7	8

- a) $5,378 + 200$
- b) $5,378 + 20$
- c) $5,378 + 2,000$
- d) $5,378 - 6$
- e) $5,378 - 60$
- f) $5,378 - 3,000$
- g) $300 + 5,378$
- h) $5,378 - 300$

Handwritten calculations for the above problems, including place value charts and arithmetic.

1) $5,378 + 200 = 5,578$

2) $5,378 + 20 = 5,398$

3) $5,378 + 2,000 = 7,378$

4) $5,378 - 6 = 5,372$

5) $5,378 - 60 = 5,318$

6) $5,378 - 3,000 = 2,378$

7) $300 + 5,378 = 5,678$

8) $5,378 - 300 = 5,078$

2.

Work out the calculations.

- a) $6,058 + 1$
- b) $6,058 + 20$
- c) $6,058 + 30$
- d) $6,058 + 40$
- e) $6,058 + 50$
- f) $60 + 6,058$

Handwritten calculations for the above problems.

Thousands	Hundreds	Tens	Ones
6	9	2	1

Subtract 2 tens.
Add 9 to the answer.
Next, subtract 1 thousand.
Finally, add 3 hundreds.

What number do you have now?

Handwritten calculations for the above problems, including place value charts and arithmetic.

1) $6,921 - 20 = 6,901$

2) $6,901 + 9 = 6,910$

3) $6,910 - 1,000 = 5,910$

4) $5,910 + 300 = 6,210$

Handwritten calculations for addition and subtraction.

$6058 + 30 = 6088$

$6088 + 40 = 6128$

Thousands	Hundreds	Tens	Ones
6	0	5	8

3.

Here is a number.

Thousands	Hundreds	Tens	Ones
5	3	8	2

Add 3 thousands to the number.
Subtract 4 thousands from the answer.
Subtract 2 ones.
Add 5 tens.
What number do you have now?

4.

Mo is going to add 100 to each number.

Circle the numbers where the 1,000s will change.

- 2,450
- 3,928
- 4,180
- 5,905
- 972

What do you notice?

- 1) 2050
- 2) 4128
- 3) 6102
- 4) 1972

Handwritten note: I feel really okay with maths today



Mr Hall has £1,342 in the bank.

a) Mr Hall puts in £500 more.

How much money does he have in the bank now?

b) Then he puts in £600 more.

How much money does Mr Hall have in the bank now?

c) Then Mr Hall takes out £60

How much money does he have in the bank now?

Handwritten calculation: £1,842

Handwritten calculation: £2,442

Handwritten calculation: £1,842

Handwritten calculation: £2,382

5/10/21

Day 1 WALT add two 3-digit numbers

Challenge NASTY MATHS! Mega Challenge

(You should only try this if you really struggle with the Mega Challenge)

Complete the following using compact column addition:

$$\begin{array}{r} 365 \\ + 324 \\ \hline 689 \end{array}$$

$$\begin{array}{r} 337 \\ + 162 \\ \hline 519 \end{array}$$

In week 1, Sam's AR word count was 513 words. In week 2, he passed a quiz for a book worth 362 words. What was Sam's total word count after 2 weeks?

In week 1, Sam's AR word count was 519 words. In week 2, he passed a quiz for a book worth 480 words. What was Sam's total word count after 2 weeks?

$$\begin{array}{r} 523 \\ + 347 \\ \hline 870 \end{array}$$

$$\begin{array}{r} 1157 \\ + 24 \\ \hline 1181 \end{array}$$

$$\begin{array}{r} 262 \\ + 36 \\ \hline 298 \end{array}$$

$$\begin{array}{r} 3084 \\ + 43 \\ \hline 3127 \end{array}$$

$$\begin{array}{r} 156 \\ + 128 \\ \hline 284 \end{array}$$

$$\begin{array}{r} 484 \\ + 127 \\ \hline 611 \end{array}$$

$$\begin{array}{r} 154 \\ + 38 \\ \hline 192 \end{array}$$

$$\begin{array}{r} 523 \\ + 191 \\ \hline 714 \end{array}$$

for profit

Can you buy these again? Be careful with your counting

$$\begin{array}{r} 156 \\ + 138 \\ \hline 294 \end{array}$$

$$\begin{array}{r} 47 \\ + 36 \\ \hline 83 \end{array}$$

Day 2

WALT add two 3 or 4-digit numbers

Challenge NASTY MATHS! Mega Challenge

(You should only try this if you really struggle with the Mega Challenge)

Complete the following using compact column addition:

$$\begin{array}{r} 345 \\ + 631 \\ \hline 976 \end{array}$$

$$\begin{array}{r} 2607 \\ + 5335 \\ \hline 7942 \end{array}$$

$$\begin{array}{r} 4272 \\ + 3586 \\ \hline 7860 \end{array}$$

Y6 to Y8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100

$$\begin{array}{r} 3775 \\ + 3219 \\ \hline 6994 \end{array}$$

$$\begin{array}{r} 3954 \\ + 4139 \\ \hline 8093 \end{array}$$

$$\begin{array}{r} 6739 \\ + 1927 \\ \hline 8666 \end{array}$$

$$\begin{array}{r} 5875 \\ + 3883 \\ \hline 9758 \end{array}$$

$$\begin{array}{r} 5630 \\ + 2289 \\ \hline 7919 \end{array}$$

$$\begin{array}{r} 5482 \\ + 2739 \\ \hline 8221 \end{array}$$

$$\begin{array}{r} 4833 \\ + 1935 \\ \hline 6768 \end{array}$$

$$\begin{array}{r} 1715 \\ + 6549 \\ \hline 8264 \end{array}$$