

Wednesday 29<sup>th</sup> April 2020

WALT add two 4-digit numbers

Success criteria

I can use a place value (pv) grid and counters to add and subtract.

I can place my digits in the correct columns.

I can use the pv counters to show exchange.

**first...are you ready? Are you steady? It's time for TT Rockstars!**

**Please log in for your daily practise.**



**Activity 1**

Read the questions below and answer in your purple book.

- a): *What are the key words in this question?*
- a): *What is the question asking you to do?*
- a): *Can you write down the number sentence?*
- b): *What methods could you use?*

An illustration of two pilots in a cockpit. A speech bubble from the pilot on the left says, "We will fly from Istanbul to London, then from London to Nairobi." To the right is a "Flight information" panel. The panel lists: "Monday", "Istanbul to London: 1,554 miles", and "London to Nairobi: 4,237 miles".

We will fly from Istanbul to London, then from London to Nairobi.

**Flight information**

Monday

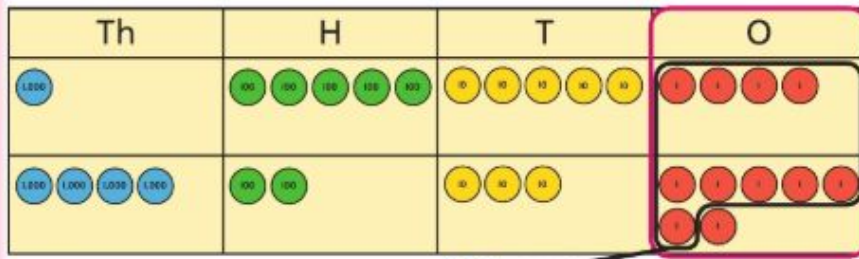
Istanbul to London:  
1,554 miles

London to Nairobi:  
4,237 miles

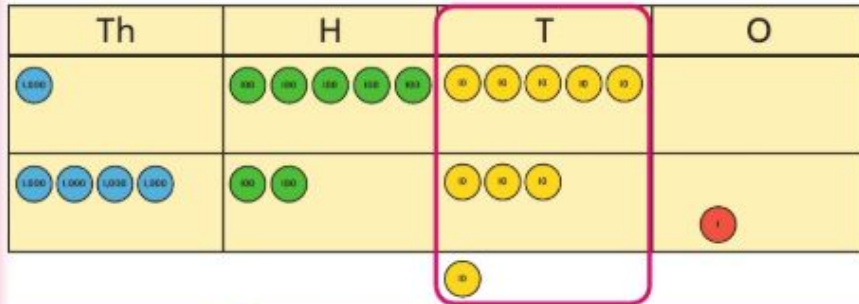
- 1** a) What is the total distance that the aeroplane will fly?
- b) After the aeroplane has flown 2,000 miles, how far will it still have to fly?

Scroll down for the answers

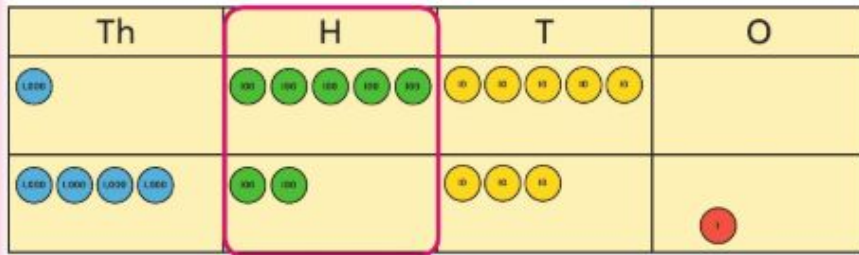
a) This addition has an exchange from the 1s to the 10s.



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



$$\begin{array}{r}
 \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 1 \quad 5 \quad 5 \quad 4 \\
 + 4 \quad 2 \quad 3 \quad 7 \\
 \hline
 \phantom{1} \phantom{5} \quad 9 \quad 1
 \end{array}$$



$$\begin{array}{r}
 \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 1 \quad 5 \quad 5 \quad 4 \\
 + 4 \quad 2 \quad 3 \quad 7 \\
 \hline
 7 \quad 9 \quad 1
 \end{array}$$



$$\begin{array}{r}
 \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\
 1 \quad 5 \quad 5 \quad 4 \\
 + 4 \quad 2 \quad 3 \quad 7 \\
 \hline
 5 \quad 7 \quad 9 \quad 1
 \end{array}$$

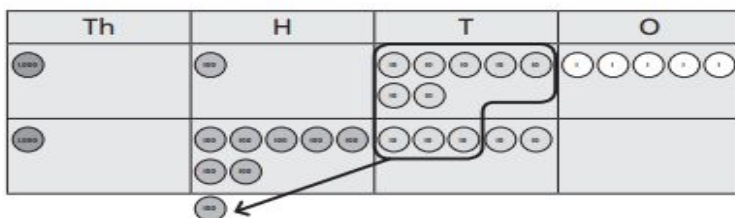


The aeroplane will fly 5,791 miles in total.

### Activity 2

Copy and complete the questions in your purple book. Remember to show your working out

- 1 a) Ebo ran 1,175 m. Lee ran 1,750 m. How far did they run in total?

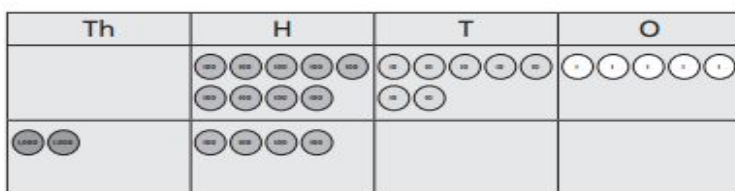


$$\begin{array}{r} \text{Th H T O} \\ 1\ 1\ 7\ 5 \\ + 1\ 7\ 5\ 0 \\ \hline \end{array}$$

$$\square + \square = \square$$

They ran  $\square$  m in total.

- b) Kate ran 2,400 m and Bella ran 975 m further than Kate. How far did Bella run?



$$\begin{array}{r} \text{Th H T O} \\ 9\ 7\ 5 \\ + 2\ 4\ 0\ 0 \\ \hline \end{array}$$

$$\square + \square = \square$$

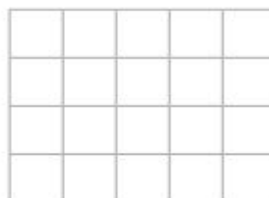
Bella ran  $\square$  m.

- 2 Solve these additions using the column method.

a)  $1,475 + 3,711 = \square$

$$\begin{array}{r} \text{Th H T O} \\ 1\ 4\ 7\ 5 \\ + 3\ 7\ 1\ 1 \\ \hline \end{array}$$

c)  $\square = 1,054 + 5,094$



b)  $\square = 3,029 + 2,963$

$$\begin{array}{r} \text{Th H T O} \\ + \quad \quad \quad \\ \hline \end{array}$$

d)  $179 + 2,608 = \square$



- 3 Complete each story problem so that it only has an exchange of 10s, and then show the number sentence to solve the problem.

- a) There were 1,259 adult tickets sold and  $\square$  children's tickets sold. How many \_\_\_\_\_?



- b) There were  $\square$  seats on the left side and  $\square$  seats on the right side. How many \_\_\_\_\_?



4 Find the missing digits.



$$\begin{array}{r} \text{a) } \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & 1 & 1 & 1 \\ + & & & \\ \hline & 2 & 2 & 5 & 0 \end{array} \end{array}$$

$$\begin{array}{r} \text{b) } \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & & & \\ + & 1 & 8 & 2 & 3 \\ \hline & 3 & 4 & 5 & 6 \end{array} \end{array}$$

5 a) Solve  $\square = 1,575 + 5,520$

$$\begin{array}{r} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & & & \\ + & & & \\ \hline & & & \end{array}$$

b) Now use that addition to solve these:

$$4,520 + 1,575 = \square$$

$$\square = 5,519 + 1,576$$

$$\square = 1,565 + 5,510$$

$$\square = 575 + 520$$

CHALLENGE

## Reflect

Create three different additions that have one exchange of:

a) 1s

$$\begin{array}{r} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & & & \\ + & & & \\ \hline & & & \end{array}$$

b) 10s

$$\begin{array}{r} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & & & \\ + & & & \\ \hline & & & \end{array}$$

c) 100s

$$\begin{array}{r} \text{Th} & \text{H} & \text{T} & \text{O} \\ \hline & & & \\ + & & & \\ \hline & & & \end{array}$$

Check your answers below

1. a)  $1,175 + 1,750 = 2,925$  (or  $1,750 + 1,175 = 2,925$ )

They ran 2,925 m in total.

b)  $975 + 2,400 = 3,375$  (or  $2,400 + 975 = 3,375$ )

Bella ran 3,375 m.

c) Children complete  $1,245 + 1,245 = 1,490$

2,490

They ran 2,490 m in total.

2. Check correct column method used.

a) 5,186

c) 6,148

b) 5,992

d) 2,787

3. a) How many tickets were sold altogether?

Children select any number that has 7 or less in the 100s column, 5 or more in the 10s column and 0 in the 1s column.

Check the calculation is correct.

b) Children select two numbers where the 10s column only has an exchange.

How many seats are there altogether?

Check the calculation is correct.

4. a) 1,139

b) 1,633

5. a)  $7,095 = 1,575 + 5,520$

b) 6,095

7,095

7,075

1,095