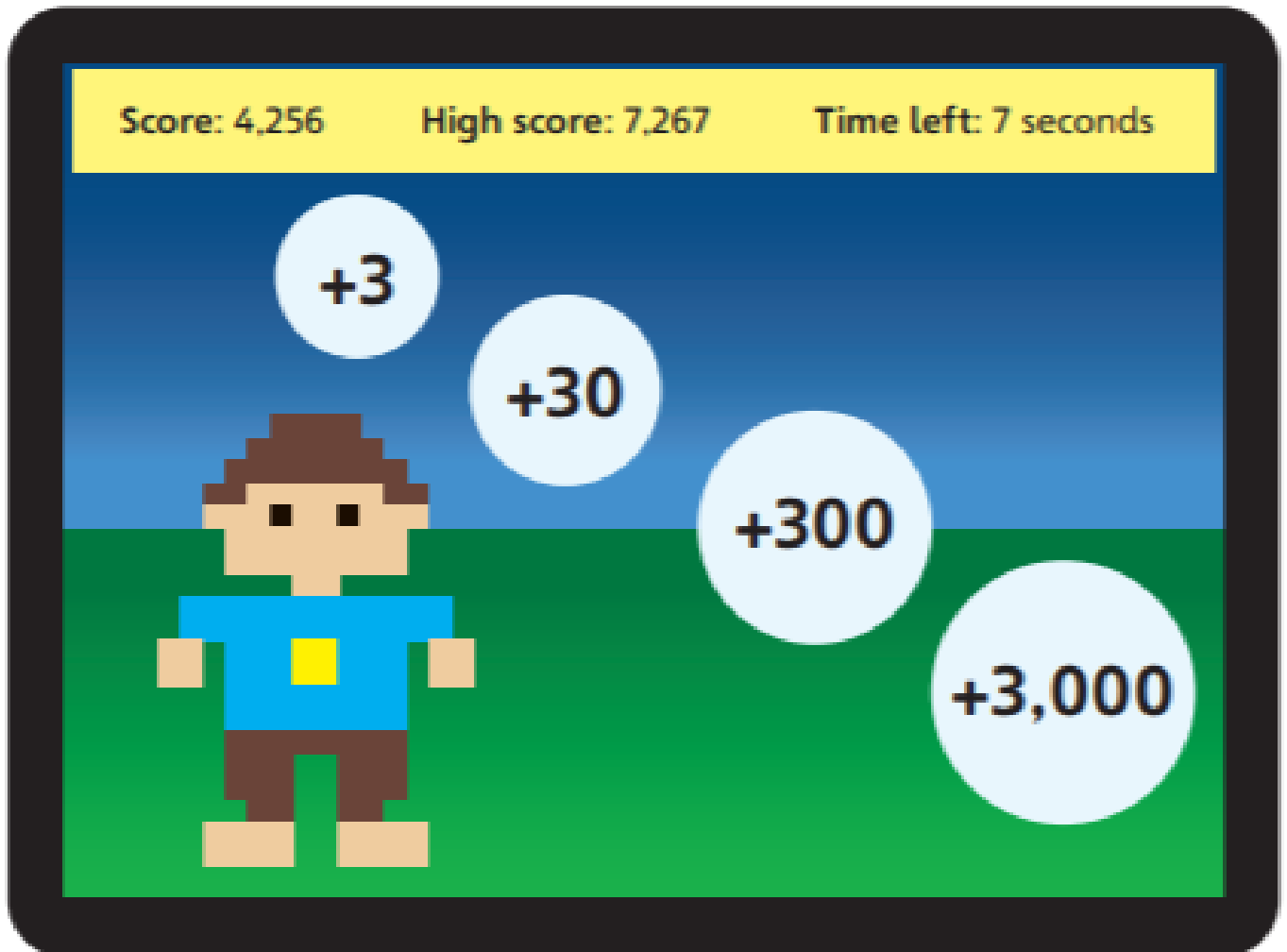


Adding and subtracting 1s, 10s, 100s, 1,000s

Practice question



- 1 a) Reena is playing this computer game.
She catches the +300 bonus bubble. What is her score now?
- b) She catches one more bonus bubble.
Could she beat the high score?

Adding and subtracting 1s, 10s, 100s, 1,000s

Explanation

a) Reena's score is 4,256. She scores 300 more points.

Th	H	T	O
●●●●	●●	●●●●●	●●●●●● ●
	●●●		

$$4,256 + 300 = 4,556$$

Reena's score is 4,556 points.

I will check with place value counters.

b)

Th	H	T	O
●●●●	●●●●●	●●●●●	●●●●●● ●
			●●●

$$4,556 + 3 = 4,559$$

$$4,559 < 7,267$$

Th	H	T	O
●●●●	●●●●●	●●●●●	●●●●●● ●
		●●●	

$$4,556 + 30 = 4,586$$

$$4,586 < 7,267$$

Th	H	T	O
●●●●	●●●●●	●●●●●	●●●●●● ●
●●●			

$$4,556 + 3,000 = 7,556$$

$$7,556 > 7,267$$

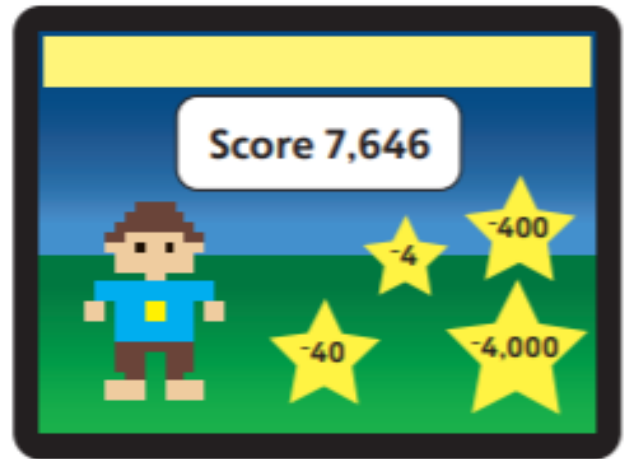
Reena could beat the high score if she caught the +3,000 bonus bubble.



1

Ellie's score is 7,646.

How would each damage star change Ellie's score?



Th	H	T	O
●●●●● ●●	●●●●● ●	●●●●	●●●●● ●

a) $7,646 - 4 = \square$

Th	H	T	O
●●●●● ●●	●●●●● ●	●●●●	●●●●● ●

b) $7,646 - \square = \square$

Th	H	T	O
●●●●● ●●	●●●●● ●	●●●●	●●●●● ●

c) $7,646 - 400 = \square$

Th	H	T	O

d) $7,646 - 4,000 = \square$

2

Complete these calculations.

a) $3,154 + 500 = \square$

e) $\square + 1,000 = 2,134$

b) $500 + 4,351 = \square$

f) $\square + 4,000 = 4,521$

c) $9,786 - 4,000 = \square$

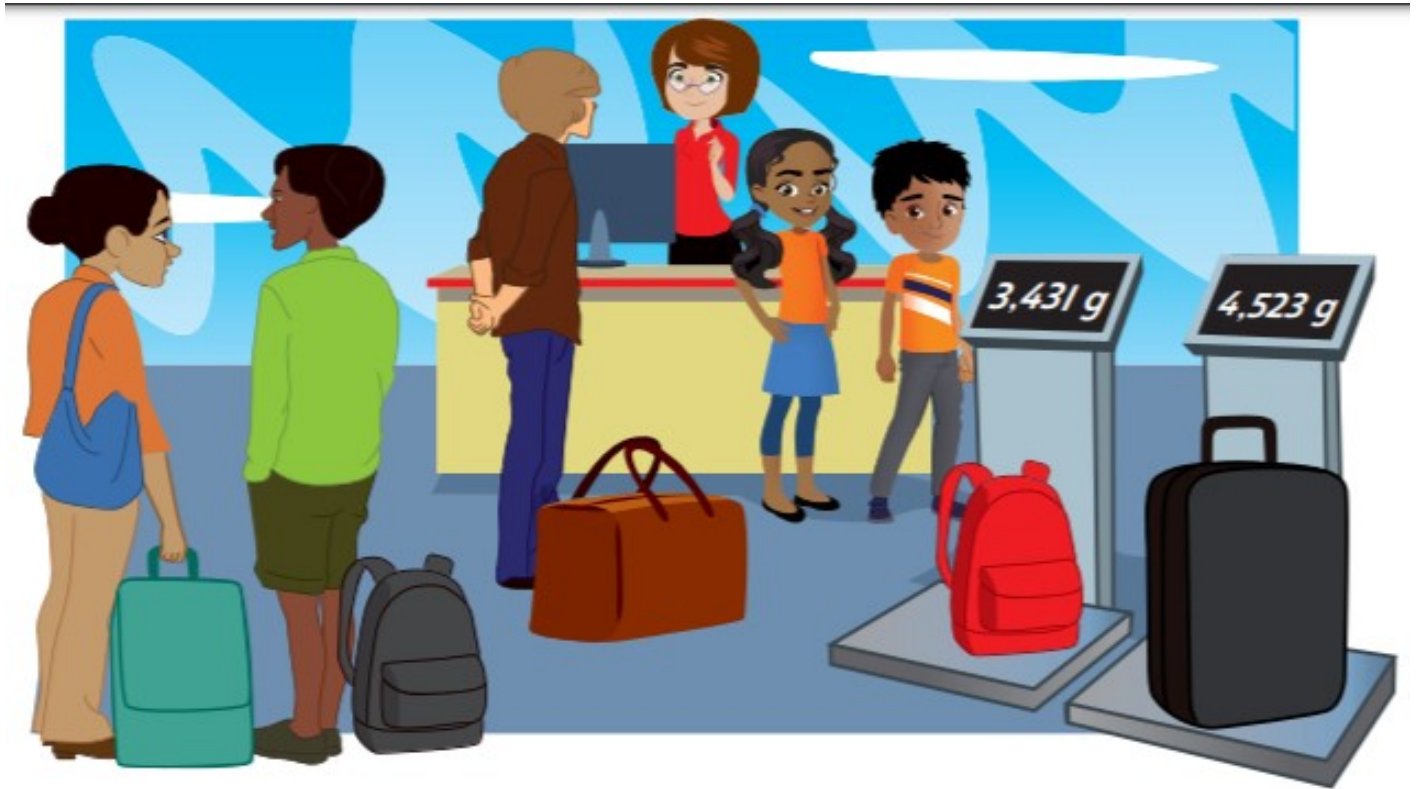
g) $4,014 - 10 = \square$

d) $\square = 7,968 - 400$

h) $5,001 - \square = 1$

Adding two 4-digit numbers

Practice question



- 1** a) How much do the suitcase and the backpack weigh in total?
- b) The luggage can weigh a maximum of 9,000 g in total.
Are they under the limit?
Show this on a number line.

Adding two 4-digit numbers

Explanation

a) Add the columns from the right, starting with the 1s.

Th	H	T	O
●●●●	●●●●●	●●	●●●
●●●	●●●●	●●●	●

Th	H	T	O
4	5	2	3
+ 3	4	3	1
			4

Th	H	T	O
●●●●	●●●●●	●●	●●●
●●●	●●●●	●●●	●

Th	H	T	O
4	5	2	3
+ 3	4	3	1
		5	4

Th	H	T	O
●●●●	●●●●●	●●	●●●
●●●	●●●●	●●●	●

Th	H	T	O
4	5	2	3
+ 3	4	3	1
	9	5	4

Th	H	T	O
●●●●	●●●●●	●●	●●●
●●●	●●●●	●●●	●

Th	H	T	O
4	5	2	3
+ 3	4	3	1
7	9	5	4

$4,523 + 3,431 = 7,954$. The luggage weighs 7,954 g in total.

1

Complete the additions.

a)

Th	H	T	O
●●●	●		●●●●●
●●●	●●●●●	●	●

$$3,105 + 3,511 = \square$$

$$\begin{array}{r} \text{Th H T O} \\ 3 \ 1 \ 0 \ 5 \\ + 3 \ 5 \ 1 \ 1 \\ \hline \\ \hline \end{array}$$

b)

Th	H	T	O
●●●●●●	●	●●●	●

$$5,131 + 3,051 = \square$$

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

2

Find and correct the two mistakes.



$$\text{a) } 3,452 + 42 = \square$$

$$\begin{array}{r} \text{Th H T O} \\ 3 \ 4 \ 5 \ 2 \\ + 4 \ 2 \\ \hline 7 \ 6 \ 5 \ 2 \end{array}$$

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

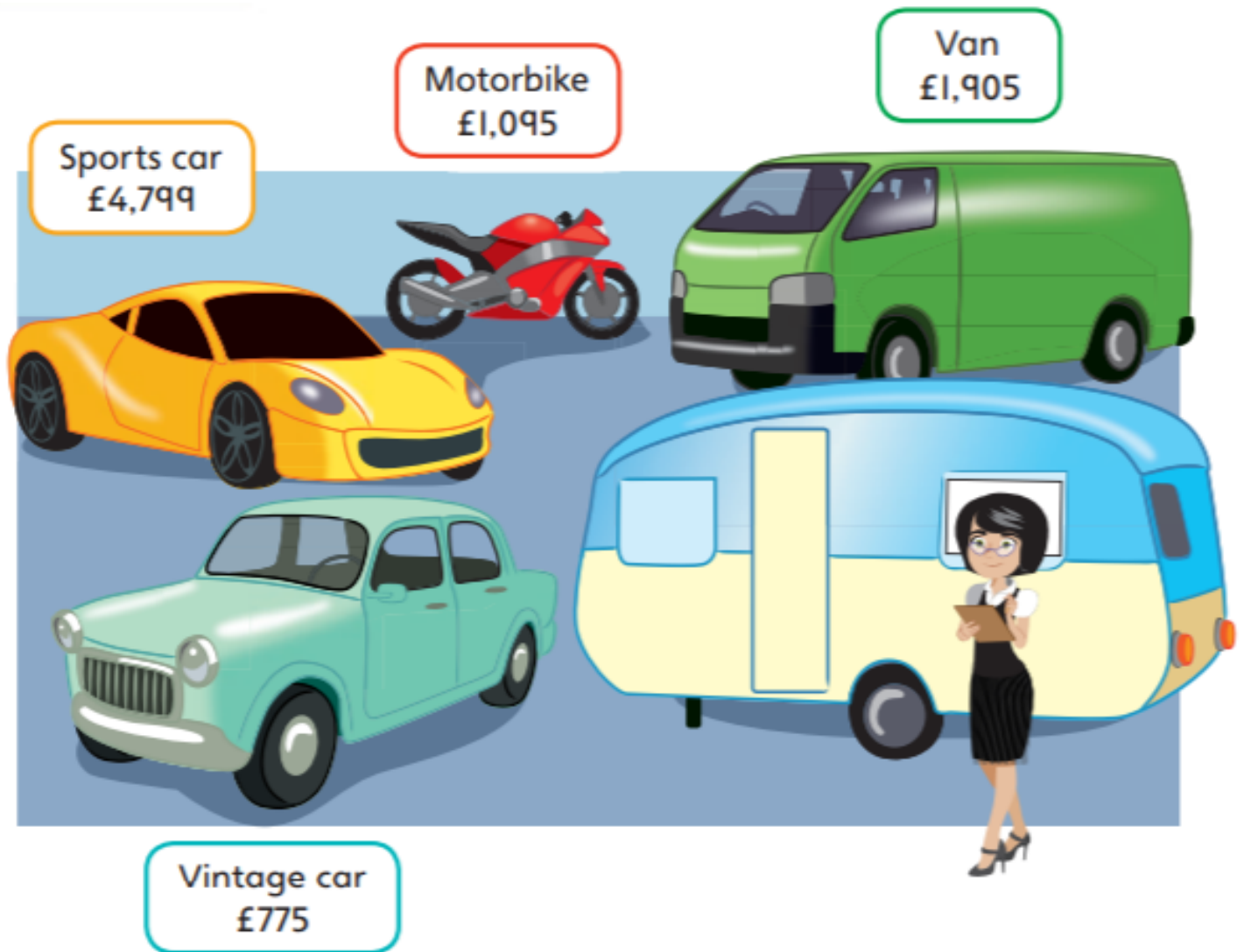
$$\text{b) } 1,025 + 1,500 = \square$$

$$\begin{array}{r} \text{Th H T O} \\ 1 \ 2 \ 0 \ 5 \\ + 1 \ 5 \ 0 \ 0 \\ \hline 2 \ 7 \ 0 \ 5 \end{array}$$

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

Adding two 4-digit numbers

Practice question

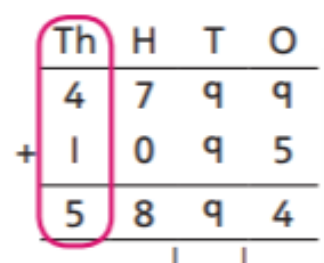
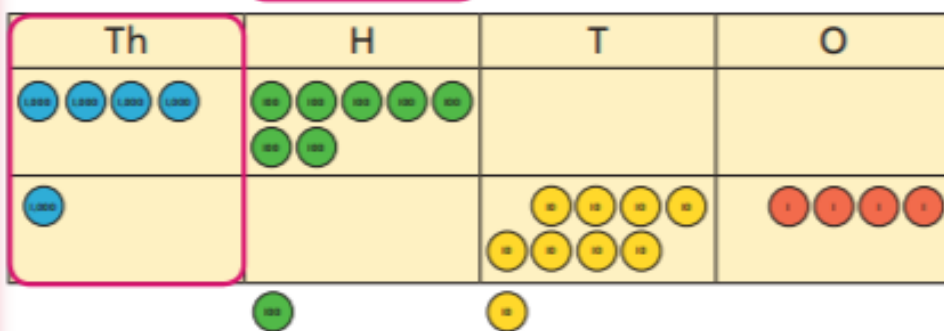
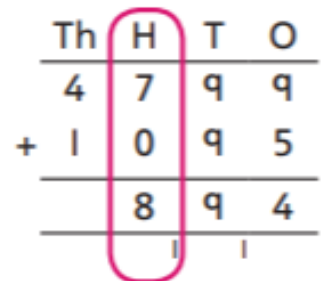
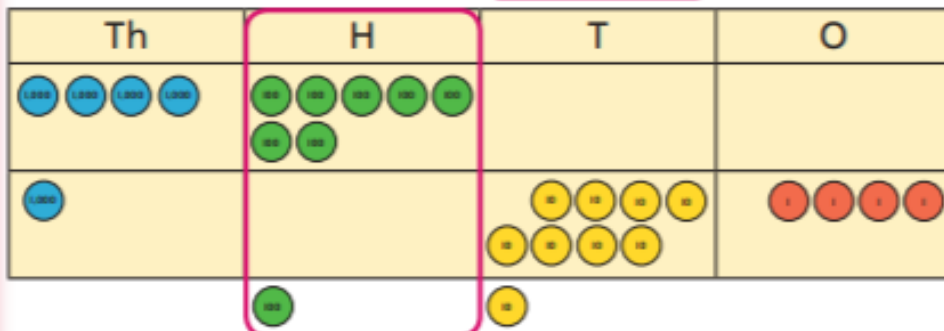
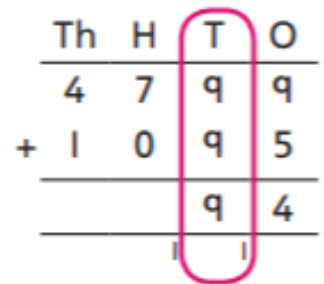
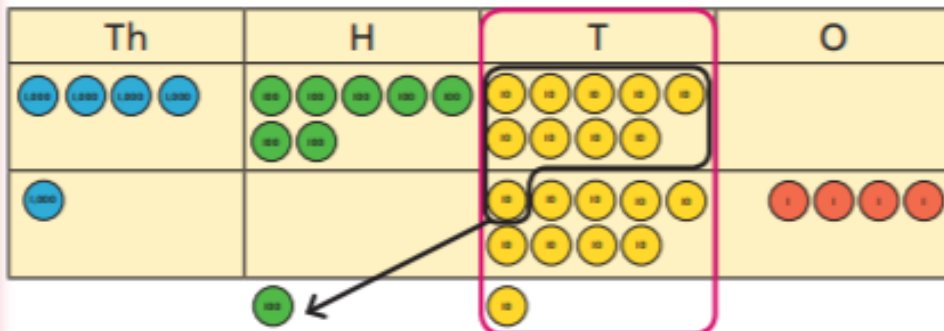
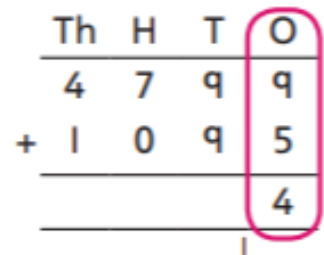
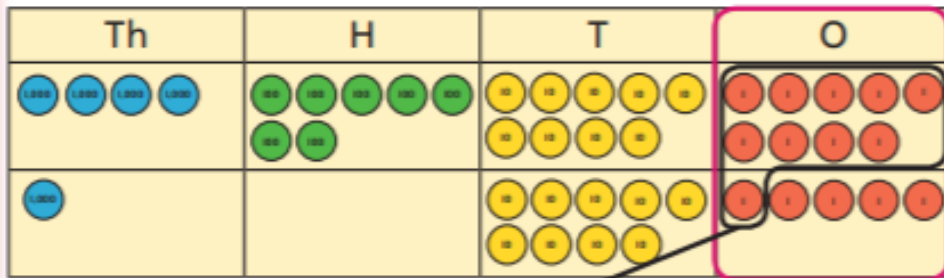


- 1 a) On Saturday, the sports car and the motorbike were sold. How much money is that in total?
- b) How many exchanges are needed to find the total cost of the sports car and the vintage car?

Adding two 4-digit numbers

Explanation

a) This addition has more than one exchange.



$$4,799 + 1,095 = 5,894$$

The total value of the sports car and the motorbike is £5,894.



1

How much do the van and the vintage car cost in total?

Th	H	T	O
●	●●●●●●●●		●●●●●
	●●●●●●●●	●●●●●●●●	●●●●●

Th	H	T	O
1	9	0	5
+			

1,905 + =

The van and the vintage car cost £ in total.

I need to think carefully about how to write the addition in columns.



2

Complete these additions.

Th	H	T	O
●	●●●●●●●●	●●●	●●●●●
●●	●●	●●●●●●●●	●●●●●●●●

Th	H	T	O
1	6	3	5
+ 2 1 8 6			

Th	H	T	O
●●●●●	●●●●●●●●	●●●●●●●●	●●●●●
●●	●●●●●●●●	●●●●●●●●	●●

Th	H	T	O
2	4	6	5
+ 1 6 6 2			

3

Complete these additions. Show your method.

a) 654 + 2,999 =

b) 4,999 + 2,999 =

I can see a mental method.

