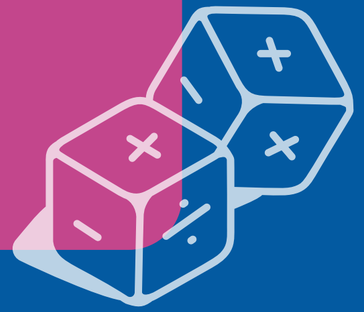
A GIFT FROM THE TUTOR TRUST:

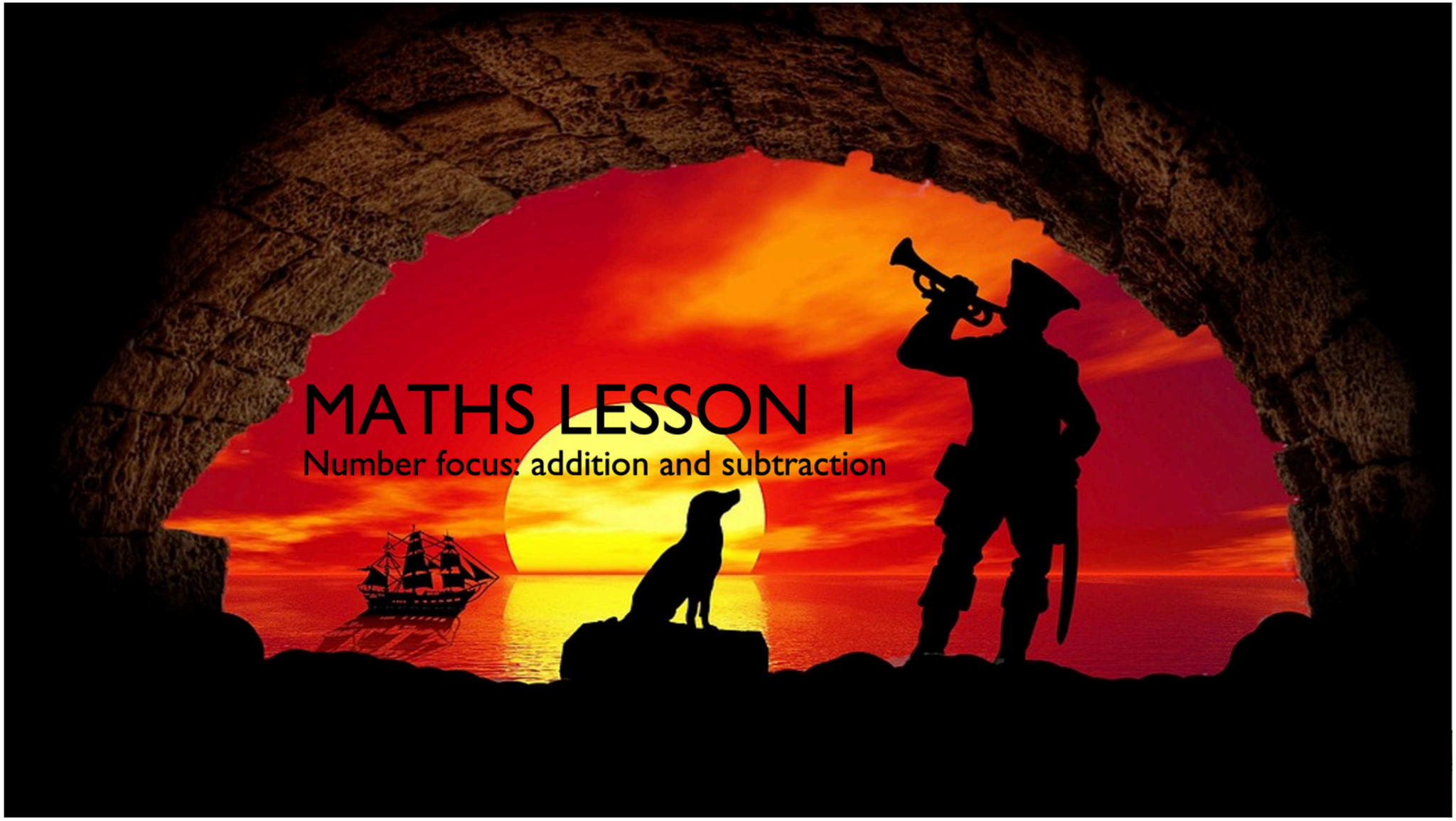
FREE TEACHING RESOURCES

KEY STAGE 2

Maths

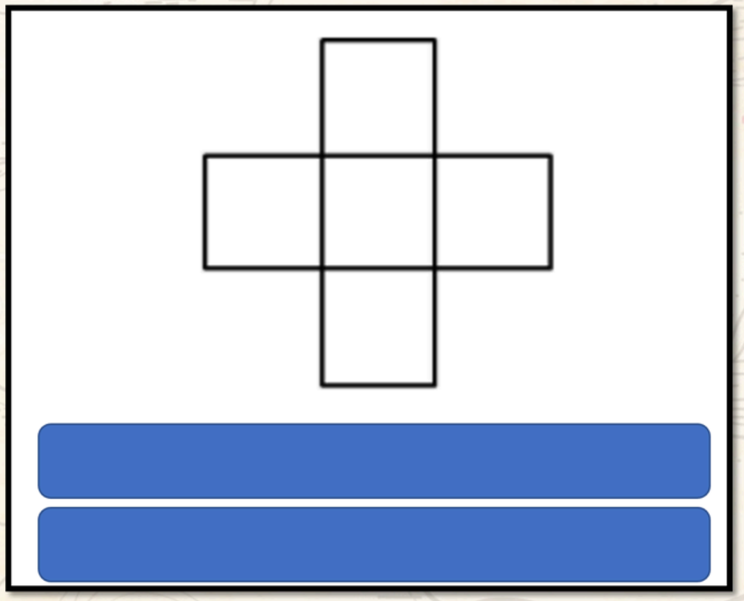


We use resources like this in our tutoring sessions


MATHS LESSON 1
Number focus: addition and subtraction

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1 2 3 4 5



The pirate's treasure is locked with a code. Use the numbers 1, 2, 3, 4 and 5 so that the row and column have the same total.





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L.O: to be able to add and subtract large integers using the column method | **Thursday, 04 February 2021**

Prior Knowledge Check

$$\begin{array}{r} 26903 \\ +\ 12488 \\ \hline 1 \\ \hline \end{array}$$

$$\begin{array}{r} 43173 \\ -\ 31142 \\ \hline 1 \\ \hline \end{array}$$

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Prior Knowledge Check

$$\begin{array}{r} 52947 \\ +\ 14216 \\ \hline \\ \hline \end{array}$$

What is 22,354 – 11,615?

$$\begin{array}{r} 2\,2\,3\,\overset{4}{\cancel{5}}\,\overset{1}{4} \\ -\ 1\,1\,6\,1\,5 \\ \hline 9 \\ \hline \end{array}$$

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Model and practise

Pirate in Training

130,575 + 317,573 = _____

Your turn:

412,356 + 149,523

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Model and practise

Pirate in Training

192,571 – 181,650 = _____

Your turn:

459,356 - 142,523 =

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Thursday, 04 February 2021



325,346 + 119,503 =

42,098 + 108,694 =

327,324 - 114,601 =



What is 452,539 less than 1,280,812?

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L.O: to be able to add and subtract large integers using the column method | **Thursday, 04 February 2021**

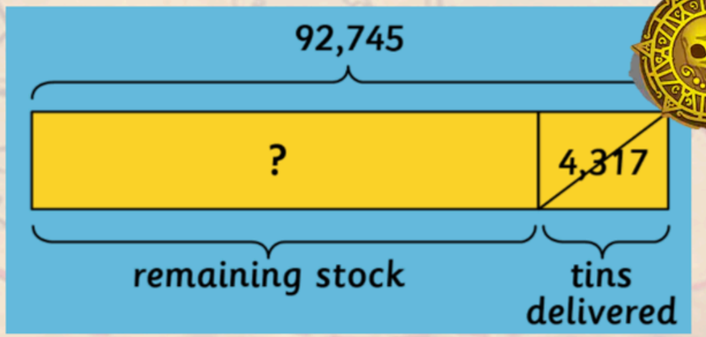
Reasoning and Problem Solving

In 2017, there were 798,307 visitors at Green Park Zoo. In 2018, there is an **increase** of 16,858 visitors. How many visitors are there in **2018**?

Visitors to Green Park Zoo

year	number of visitors
2017	798,307
2018	?

MegaBeanz has 92,745 tins of beans in stock. It delivers 4,317 tins to different stores. How many tins of beans does MegaBeanz have left?

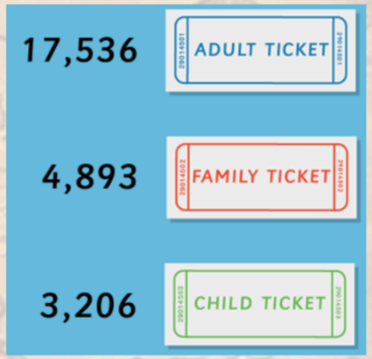


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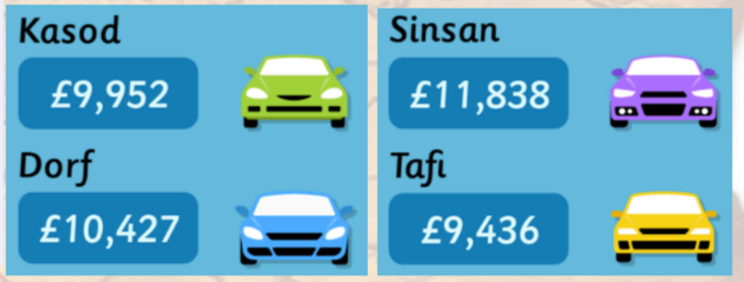
L.O: to be able to add and subtract large integers using the column method | **Thursday, 04 February 2021**

Reasoning and Problem Solving

A football club sells 17,536 adult tickets, 4,893 family tickets and 3,206 children's tickets for a match. How many tickets does the club sell in total?



Dale and Nick buy one car each and spend £21,274 in total. Dale buys a Tafi for £9,436. Which model of car does Nick buy?



Walk the plank



If you're wrong, Amara, you have to walk the plank!

4-digit number + 5-digit number = 9-digit number



Amara says, "If you add a 4-digit number and a 5-digit number, your answer will be a 9-digit number. Is she correct? Explain your answer.



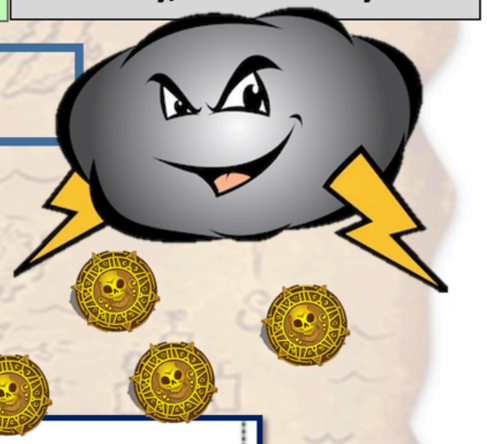
Best explanation in the group chat wins two gold coins.

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L.O: to be able to add and subtract large integers using the column method

Thursday, 04 February 2021

It's raining coins



Extension

1)

$$\begin{array}{r} A \\ A \\ A \\ \hline BA \end{array} \quad +$$

2)

$$\begin{array}{r} BB \\ A \\ \hline ACC \end{array} \quad +$$

3)

$$\begin{array}{r} AB \\ A \\ \hline BCC \end{array} \quad +$$

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L.O: to be able to add and subtract large integers using the column method

Thursday, 04 February 2021

Is it possible to subtract a 5-digit whole number from a 7-digit whole number and get a 2-digit answer? Explain your answer, and use an example to prove that you are correct.

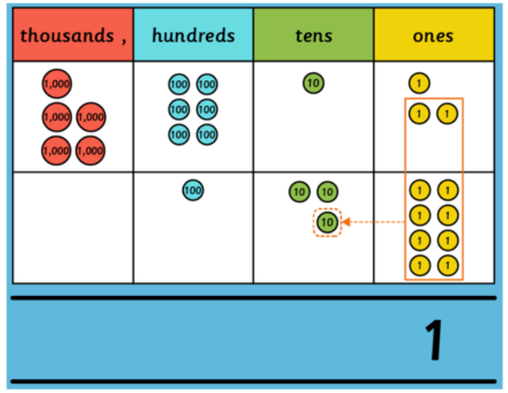


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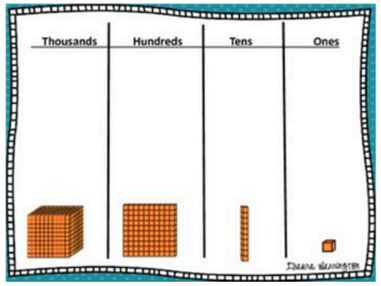
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Support ideas

1. Use visuals and explore what mathematical process is going on when we exchange ten ones for one ten etc.



2. Include place value column headings to support pupils lining up the numbers in the correct places.



Next Steps

Solve Multi-Step Problems: Addition and Subtraction Y6

Objective: I can solve multi-step problems involving addition and subtraction.

Goodwin's Shoes receives orders from three different stores. They already have 2,562 boxes of shoes in stock. How many more boxes of shoes do they need to make?

store	boxes of shoes
Manchester	768
London	655
Birmingham	1,500

Add and Subtract Integers and Decimals of Any Size

$$\begin{array}{r} 1\ 9\ 8.7\ 2 \\ +\quad 6\ 3.5\ 0 \\ \hline \\ \hline \end{array}$$

place holding zero

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Transforming lives through tutoring, since 2011

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We’re an award-winning, proudly Northern charity dedicated to reducing the attainment gap by providing tutoring to children from disadvantaged backgrounds

Small group tutoring for pupils from Year 2 to Year 13

PRIMARY

- READING
- MATHS

SECONDARY and POST-16

- ENGLISH
- MATHS
- SCIENCE
- GCSE RE-SITS

TUTORING PLUS Programme:

for pupils who would benefit from 1 : 1 support the most

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97%

of our partner schools and colleges recommend us

9/10

of educational partners said our tutoring was helpful

87%

of pupils said our tutoring helped them make progress

2024/25 Impact Report

OUR 15-HOUR PROGRAMME STEP-BY-STEP

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We'll be in touch within just 1 working day

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We'll:

- Answer questions & explain programmes that best suit you!
- Provide resources for prospective tutees
- confirm costs

CHOOSE PUPILS FOR TUITION

- Share your chosen pupil cohort
- Share your preferred timings

MEET YOUR TUTORS

We'll set up a meeting so we are aware of focus areas to ensure pupils recieve specialised support

MONITORING PROGRESS

To measure impact, optional pupil survey & introduce you to our partner data portal: *Insight* - offering access to real-time feedback

WE PROVIDE ONGOING SUPPORT



Your programmes' dedicated coordinator is only a phone call away

Our Quality Team of former teachers support tutors throughout

3-WEEK REVIEW MEETING

Impact review meeting to discuss progress & if you'd like to contInue with us

15-WEEK REVIEW MEETING

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WE PRIORTISE PUPILS, NOT PROFIT

Our tution is heavily subsidised by philanthropic funding so we can suppport the pupils who need it most

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per student per hour

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per student
for a full *15 hr* programme

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