Year 6

Friday 22nd May 2020 Maths

Problem solving puzzles and games!







An old Mathematics book contained this addition sum which had been marked correct by the teacher:

The three squares in the diagram are where the paper was so bad I couldn't read them.

What were the three missing numbers?







Four people are traveling to different places on different types of transport.

Their names are: Rachel, John, Mr. Jones and Cindy.

They either went on train, car, plane or ship.

Mr. Jones hates flying
Cindy has to rent her vehicle
John gets seasick

How did they each travel?





Using any letter only once, what are the largest and smallest numbers that you can write down in words?

Example: EIGHTY has six different letters. But not NINETY or NINETEEN as N is used twice in 90 and three times in 19.



Puzzle 4.





Try a puzzle or game online?

Follow this link to Maths is Fun and try some of the puzzles and games.



Blue wins!

Red: 7, 5, 3 Blue: 4, 3, 2, 1

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New Game



Choose a difficulty level and play against the computer or someone at home.





Brush up on your times tables, division facts or square numbers!

This link for Hit the Button.







Puzzle 1 answer.

The most obvious place to start was the 0 on the bottom (don't forget to carry the 1!).

Working towards the left, the next one has to be 9 to make the total 16 (+1 = 17) so we carry another 1.

That means the top left digit must be empty (or a zero).



Puzzle 2 answer.

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Their names are: Rachel, John, Mr. Jones and Cindy.

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John gets seasick

How did they each travel?



Solution: There are 3 possibilities:

> Cindy: car Mr. Jones: train John: plane Rachel: ship

Cindy: car Mr. Jones: ship John: plane Rachel: train

Cindy: car Mr. Jones: ship John: train Rachel: plane

Puzzle 3 answer.

Using any letter only once, what are the largest and smallest numbers that you can write down in words?

Example: EIGHTY has six different letters. But not NINETY or NINETEEN as N is used twice in 90 and three times in 19.

> Largest: FIVE THOUSAND Smallest: ZERO or NOUGHT



Puzzle 4. Answer



