

Year Two Maths Challenges

Welcome to your Maths Challenge page Year Two!

I try to set a new challenge every week and I will text a grown up in your house when there is a new one on the website. It will always bring you to this page but I will keep adding them on!

You can work with a grown up at home to complete the challenge and then bring it to me between 9.15am and 9.30am any day of the week - as long as you check with your teacher first.

I will have a look at your fantastic work, (I like to see lots of drawings and working out), and you will be able to choose a special Maths Challenge sticker!

The idea is to have lots of fun with your learning and show the grown ups you live with what you can do!

Have Fun!

Mrs Parry x



Challenge One

Alien Birthday

Today my alien friend is 9 years old. Every year on his birthday he is given the same number of space ships to match his age.

On his first birthday he was given 1 spaceship, on his second birthday he was given 2 spaceships and so on.

As he is now 9 years old, how many spaceships does he have in total in his collection?

Extra Challenge: If my alien had a twin brother, how many spaceships would they have altogether?

Remember to use pictures and numbers to show me how you have worked out the answer.

Always have fun.... Mrs Parry

Challenge Two

I went shopping this weekend, (my favourite hobby), and paid for my car parking with 3 coins. I only had a 1p, 2p, 5p, and 10p in my wallet.

Can you work out how much I might have paid for my parking? (There is more than one answer!)

EXTRA CHALLENGE: If I used 4 coins to pay for my parking, what are the possible amounts I paid?

NOTE TO PARENTS: Mums and dads, please remember that your child should decide how to start the challenge. Please encourage your child to use their skills to decide how to complete the challenge. Please support them in solving the challenge if they require extra support, but don't do it for them. Thank you.

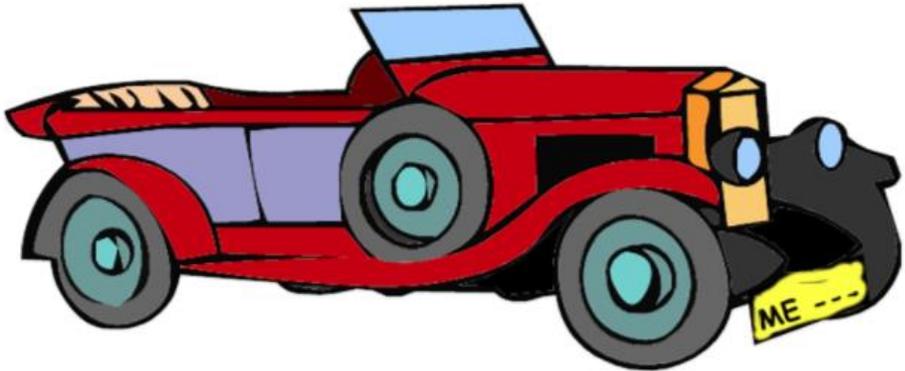
Always have fun.... Mrs Parry

Challenge Three

Car Number Plates

I am buying a *new* car!

I want the digits on my new car number plate to total 25 because it is my favourite number.



There is space for three digits on the number plate.

How many different number plates could I choose from?

Remember to set your work out neatly so I can see your working. Don't rub it out if it doesn't work out, just put a line through it because it is OK to make mistakes because we learn from them.

Always have fun.... Mrs Parry

Challenge Four

This is a challenge that will involve some drawing and calculating. I suggest you draw pictures to help you reach the correct answer.

I want to see all of your attempts – not just your final answer.

Penguins and Reindeers ...

On a farm there were some penguins and reindeers.

Altogether there were 8 heads and 22 feet.

How many penguins were there?

Good Luck and have fun!

Mrs Parry



Challenge Five

My computer has decided to go crazy so I decided to create some questions about it!

1. I used to have 25 icons on my desktop and 6 disappeared! I got 3 of them back again... how many have I got now?
2. Miss Saron has 24 pictures and I have 28, how many have we got altogether?
3. There are 90 children who can see the maths challenge and 14 teachers. How many can see it altogether?
4. It takes me 3 minutes to write each question, how many minutes has this maths challenge taken me to write? (show me your working)
5. Usually about 18 people from each year two class complete the maths challenge. There are three classes, how many year two maths challenges do I get each week?
6. If there are 30 children in a class and 18 do the maths challenge, how many don't do it?

EXTRA CHALLENGE

I know that I started with 35 icons on my desktop at the beginning of the term and now I have only 19! How many pictures has this crazy computer decided to hide from me? 🤖

Good Luck and have fun!
Mrs Parry

Challenge Six

Draw lots of pictures – remember I need to see your mistakes as well!



There are three baskets, a brown one, a red one and a pink one, holding a total of ten eggs.

The brown basket has one more egg in it than the red basket.

The red basket has three fewer eggs than the pink basket.

How many eggs are in each basket?

Challenge Seven

PROBLEM SOLVING CHALLENGE!

In Rainbow Street, there are lots of different coloured houses.

Red houses have 10 people living in them.

Blue houses have 5 people living in them.

Green houses have only 2 people living in them.

If there are 30 people living in my street, what colour houses might be there?

I expect more than one answer from most of you!

EXTRA CHALLENGE - Yellow houses have 3 people living in them! If I have 50 people living in my street, what combinations of houses might be there?

Challenge Eight

For this challenge, I will give you 3 numbers. Your challenge is to create 4 different addition and subtraction number sentences using these numbers.

Eg...

If the numbers were: 15 8 7

My number sentences could be... $8+7=15$ or $7+8=15$

$$15=7+8 \text{ or } 15=8+7$$

$$15-7=8$$

$$15-8=7$$

Now you have a go...

- Use the numbers 21 16 5
- Use the numbers 35 22 13
- Use the numbers 50 36 14

Extra challenge: Use the numbers 42 20 ... What would your other number be?

Have fun, Mrs Parry

Challenge Nine

For this challenge, you need to understand the riddle and solve the problem!

Thirty crows, in six rows, each row the same.
How many crows in each of the rows?

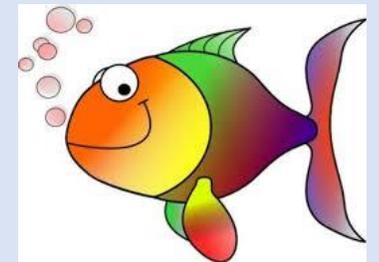


Forty-five cats, on five mats, each mat the same.
How many cats on each of the mats?



Twenty-eight dogs, on seven logs, each log the same.
How many dogs on each of the logs?

Thirty-two fish, on 8 dishes, each dish the same.
How many fish on each dish?



Have fun, Mrs Parry

Challenge Ten

$\text{Cookie} + \text{Cookie} + \text{Cookie} = 30$

$\text{Banana} + \text{Banana} + \text{Cookie} = 14$

$\text{Banana} + \text{Decorated Cake} + \text{Decorated Cake} = 8$

$\text{Decorated Cake} + \text{Banana} + \text{Banana} \times \text{Cookie} = ?$

Can you crack the code?
If you can, have a go at creating
some 'food sentences'!

Have fun, Mrs Parry