rear Two Maths challenges t



## 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.

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

There is space for three digits on the number plate.

How many different number plates could I choose from?

## 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


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

$$
\begin{aligned}
& \text { Draw lots of pictures - remember } 1 \\
& \text { need to see your mistakes as well! }
\end{aligned}
$$

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?

## 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 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?

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: 1587
My number sentences could be... $8+7=15$ or $7+8=15$

$$
\begin{aligned}
& 15=7+8 \text { or } 15=8+7 \\
& 15-7=8 \\
& 15-8=7
\end{aligned}
$$

Now you have a go...

- Use the numbers 21165
- Use the numbers $35 \quad 2213$
- Use the numbers $50 \quad 3614$

Extra challenge: Use the numbers 4220 ... What would your other number be?
Have fun, Mrs Parry

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?

ene, you need to understand the riddle and solve




## - Tremendous Time

- You will need your brain in gear for this challenge. It is all about time.
- Miss Simpson has lots of jobs to do this morning but she can't decide which ones to do. You have 3 tasks.
- 1 - Work out what time each clock is showing.
- 2 - Calculate the duration of time between the times shown on the clock e.g. How much time is between the first and second clock?
- 3 - Work out which jobs Miss Simpson has time to complete, they are in red.
- You need to follow these rules. Miss simpson must go for her break and lunch at those times. She spends 15 minutes having a break.
- https://www.topmarks.co.uk/time/teaching-clock - You can use the clock to help


For this maths challenge you are going to design your very own make believe school. This will be no ordinary school!
You can have bouncy castle classrooms and chocolate fountains in the playground BUT you must follow these rules: You need to have 2 or more classrooms. You cannot spend over your budget. You must show your workings out. You budget is $£ 40$ !

Pick what you want from the list below, add up the amounts and if you can afford it then draw it into the grid using your best art skills. It is up to you how the places look and remember to use your money wisely. Don't worry if you try one way and it goes over $£ 40$, that's part of the maths challenge.

Bouncy castle classroom - $£ 8$
Classroom full of slides - $£ 10$
Classroom Extras
Candy floss machine - $£ 3.30$
Drinks machine that makes any drink you want - $£ 4.20$
Playground
Playground with chocolate fountain - $£ 4.60$ Trampoline playground - $£ 9$ Water Park playground - $£ 18.50$

