

Year One Maths Challenges

Welcome to your Maths Challenge page Year One!

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

I have 3 coins in my purse.

Can you guess how much I have? (there are lots of different answers)

It might help to ask someone at home if you can borrow some coins to solve this challenge.

Have fun and remember to give the coins back!
Mrs Parry

Extra Challenge ...

If two of my coins are the same, what is the largest amount of money I could have?

Challenge Two

This challenge is very open ended – which means you can think of as many answers as you can to solve it!

How many ways can you make the number 16?

Top Tip: Think of doubling and halving, addition and subtraction, big numbers and small numbers!

I expect to see at least 5 different ways!

Mrs Parry

Challenge Three

Remember to show me your working and please write the number of the challenge at the top of your work! Don't copy your work out to make it look neat, I want to see your mistakes and working out as it helps me to see how you got to your answer!

We all know that it is OK to make mistakes because they help us learn.

I have found the recipe for a special potion. It can only have 10 animal legs in it.

I have these ingredients in stock:

Spiders with 8 legs
Lizards with 4 legs
Bats with 2 legs.

If I wanted to make my potion with 2 animals, which animals should I use?

If I were to make it with 3 animals which should I use?

EXTRA CHALLENGE? Can I make my potion with 4 or 5 animals if I am only allowed 10 animal legs?

Have fun!
Mrs Parry

Challenge Four

Hello Maths Friends!

This week I have created some word problems for you to solve. They may look tricky but if you work through them slowly and draw the pictures, you will be fine!

Please remember to show me your working – I want to see how your brain works!
No working = No sticker!

Remember to have fun! Mrs Parry x

1. There are 9 classes in the school and each one has a teacher and teaching assistant. How many adults is that altogether? (Try drawing the class and the adults and count them all up)
2. In the staffroom, 9 teachers have 2 mugs each. How many mugs is this altogether?
(Try drawing the 9 teachers and their mugs and then count the mugs altogether)
3. Lots of people like my turquoise chairs in my room. I have five. 3 children can fit on each of the chairs. How many children can sit in my room?
(Try drawing the chairs with the children on)

Extra challenge – can you make up your own problem?

Challenge Five

Hello Maths Friends!

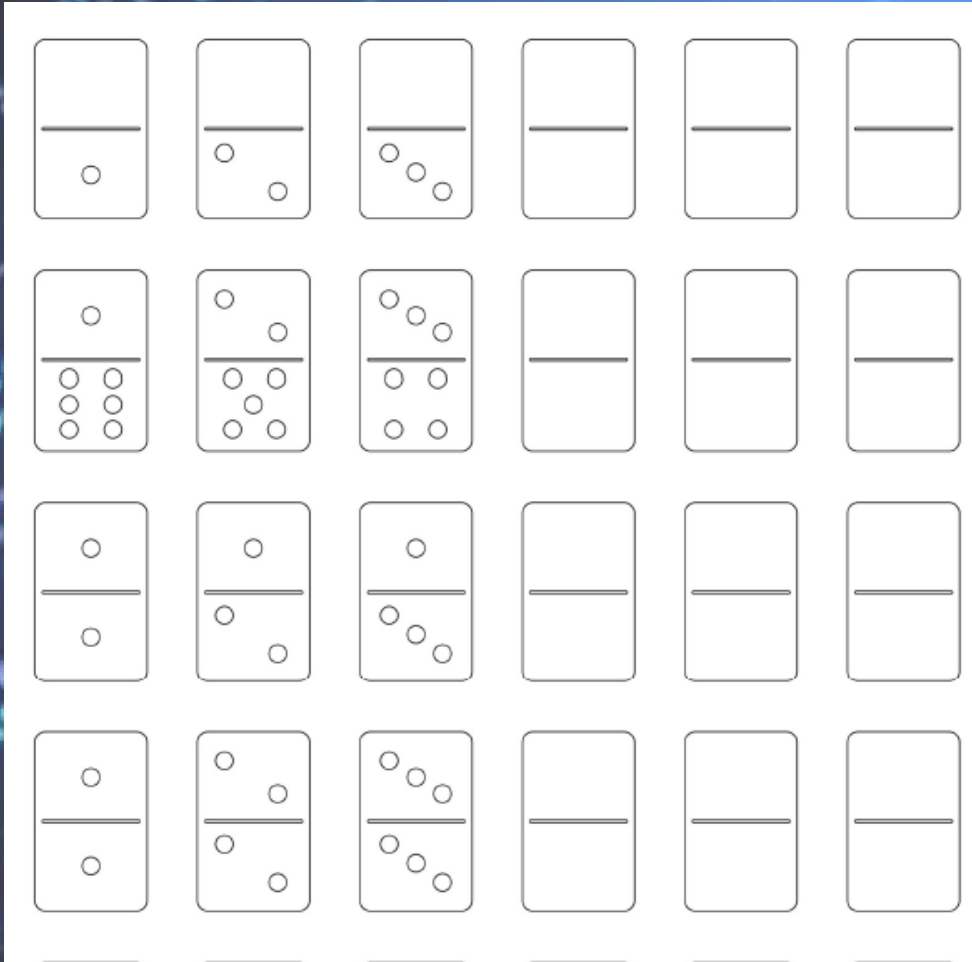
What number am I thinking of? (Show your working where you can!)

1. My number is an odd number and comes between 6 and 8. What is my number?
2. My number is 5 more than 9. What is my number?
3. My number has two digits in it and it is 2 less than 20. What is my number?
4. My number is bigger than 20 and smaller than 25. It is an even number. There are 4 units in it. What is my number?
5. My number is between 10 and 20. You say it when you count in fives. What is my number?

EXTRA CHALLENGE: Can you make your own 'Guess my number' problem?

Have fun!
Mrs Parry

Challenge Six



Can you make your own pattern?

Can you find the next dominoes in these patterns?

Have a look at all the spots and see what comes next! Look at the top and the bottom of the domino.

Have Fun!

Challenge Seven

I have 6 items in my shopping basket.

I am only buying apples and oranges.

What are all the combinations of food that that I could be buying?

Remember I want to see your mistakes as well as your final answer – it doesn't matter if we make mistakes because we can learn from them! I want to see your learning!

If you would like an extra challenge...

I have 10 items in my shopping basket.

I am buying a mixture of bread, butter, cheese and ham for my lunch.

What are all the combinations of food that I could be buying?

Try hard and have fun!

Mrs Parry, x

Challenge Eight



Snow White's adventure

Snow White found a cottage in a wood. Inside she found 7 beds. There was one quilt and one pillow on each.

How many quilts and pillows were there altogether?

Next she went into the kitchen and saw seven plates. Each plate had a knife, fork and spoon.

What was the total number of knives, forks and spoons?

Next she went into the garage and saw 7 cars. Each had 4 wheels.

How many wheels were there altogether?

Now make up your own question for me!

Have fun and draw lots of pictures!

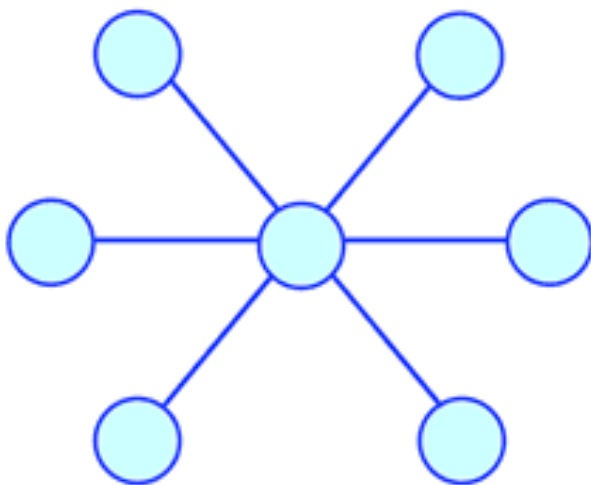
Mrs Parry

Challenge Nine



Puzzle time

Seven up!



Put the numbers

1, 2, 3, 4, 5, 6 and 7

in the circles so that each straight line of three numbers adds up to the same total.

Remember you have your fingers to help with addition or you can draw dots!

I want to see your working out of adding three numbers together.

No working out, no sticker this week!

Have Fun!
Mrs Parry

NB – Parents if this is too tricky, the straight lines do not have to add up to the same total but I would like to see two attempts and see the working out for the additions.

Challenge Ten

$$\text{apple} + \text{apple} = 4$$

$$\text{apple} + \text{bananas} = 6$$

$$\text{banana} + \text{cherries} = 8$$

$$\text{apple} + \text{banana} + \text{cherries} = ?$$

Can you crack the code?

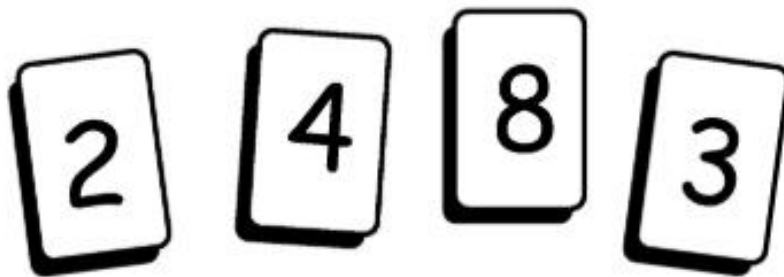
Remember to explain how you worked out the answers to each line. Think about double numbers and your number bonds.

No explanation = no sticker!

*Have Fun!
Mrs Parry*

Challenge Eleven

Choose from these four cards.



Make these totals:

- 9
- 10
- 11
- 12
- 13
- 14
- 15

What other totals can you make from the cards?

Challenge Twelve

	3		1
			2
	2		

Sudoku!

Fill in the puzzle so that every row across, every column down and every 2x2 box contains the numbers 1-4.

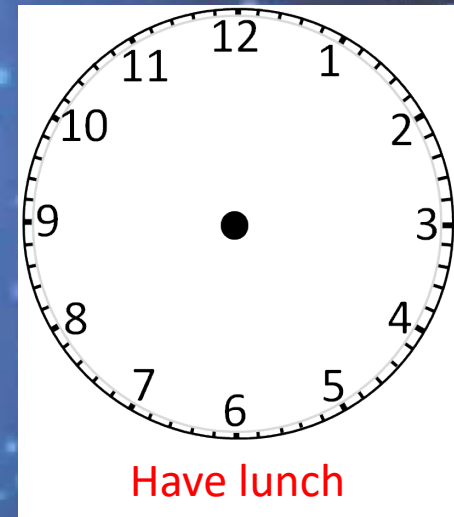
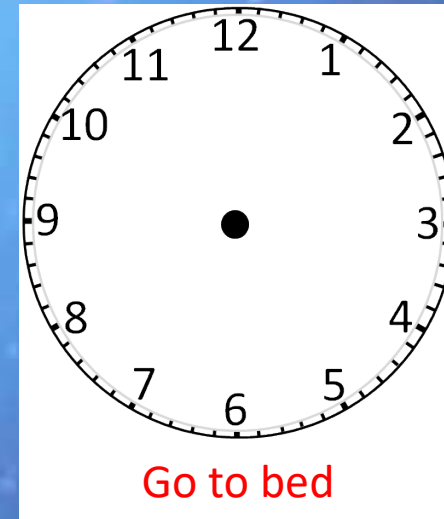
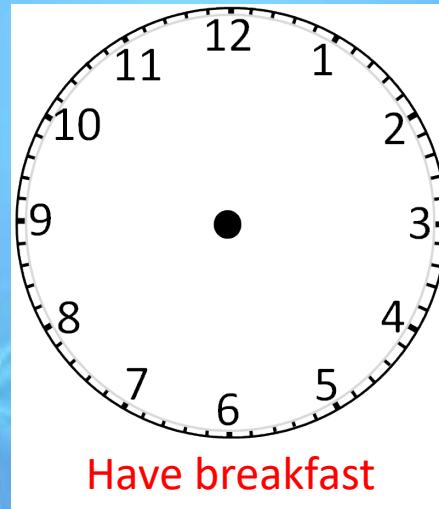
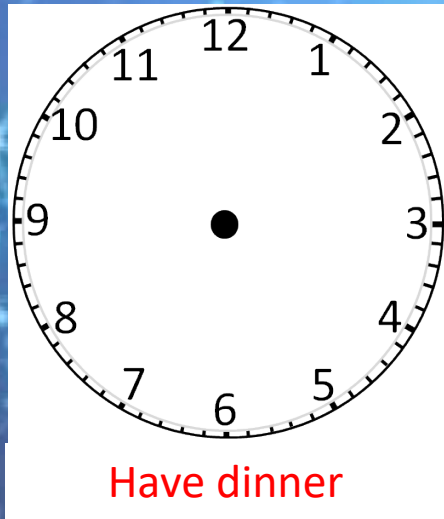
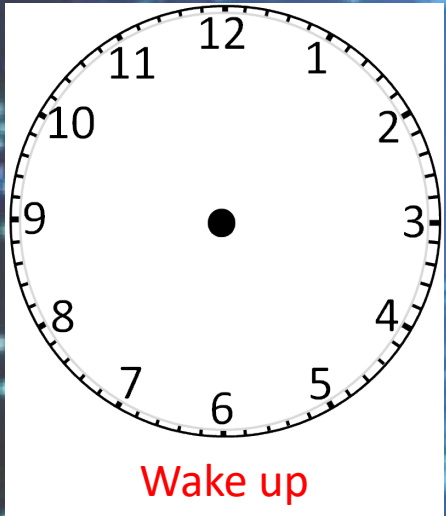
		4	3
2	3		

Challenge Thirteen

Tremendous Time

Mr Lopes has got a big confused with his day. He can't work out what time to do things. Can you help him and decide what time he should do each thing?

You need to draw the times on the blank clocks. Make sure they make sense and ensure you use the correct hands for your clocks. Remember the hour hand is short and minute hand is long.



Challenge Fourteen

- 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 have £20 to spend!**
- 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 school looks and remember to use your money wisely. Don't worry if you try one way and it goes over £20, that's part of the maths challenge.

Price List

Classroom

Giant cushion classroom - £2 Bouncy castle classroom - £3.50 Classroom full of slides - £5

Classroom Extras

Candy floss machine - £2 Drinks machine that makes any drink you want - £3.50

Playground

Playground with chocolate fountain - £3 Trampoline playground - £6 Water Park playground - £10.20

[illegible]