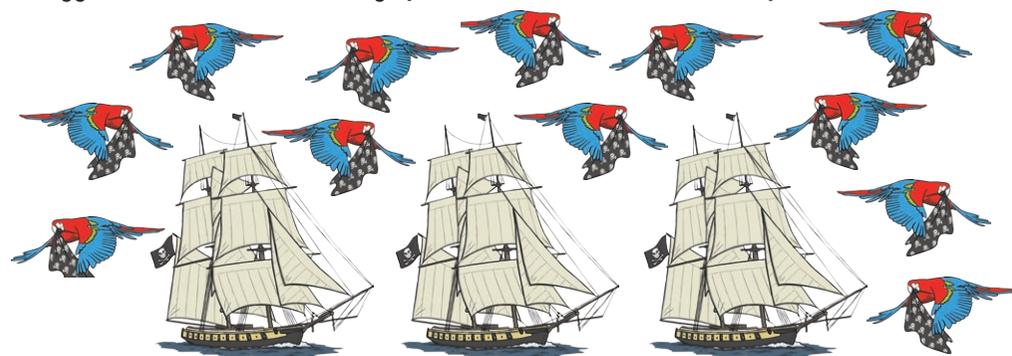


# Maths Challenge Cards



Maths Challenge Cards

Put 12 parrots on to 3 ships. There must be a different number of parrots on each ship.



How many different ways are there to do this?

Maths Challenge Cards

How many different ways can you make 8?

$$1+1+1+1+1+1+1+1=8$$

$$9-1=8$$

See if you can find 8 different ways!



Maths Challenge Cards

Put the coconuts on to the trees.



How many different ways are there to do this?

Maths Challenge Cards

Put 9 coins in to 3 chests. Each chest must have 1 more coin than the one before.



How many different ways are there to do this?

Maths Challenge Cards

Choose 2 odd numbers and add them together. What do you notice?

Try this with different odd numbers.

7 5 3 9 1

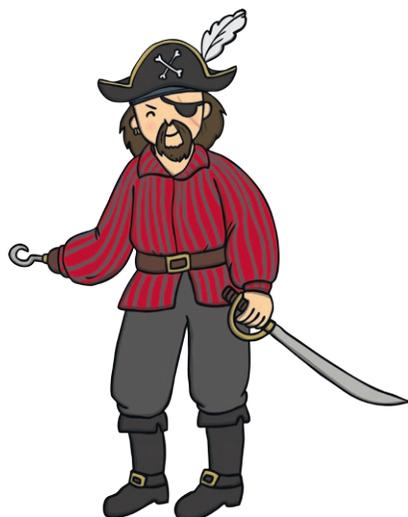
What happens?  
Why does this happen?



Maths Challenge Cards

Add together the numbers.

7 5 3 9 1



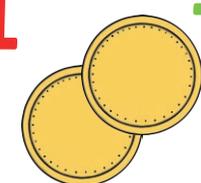
What is the total?  
Can you find a quick way to do this?

Maths Challenge Cards

What happens when you add an odd number and an even number together?

7 4 1 16  
9 5 2 11  
10

Does this always happen?  
Why does this happen?



Maths Challenge Cards

Choose 2 even numbers and add them together.  
What do you notice?

Try this with different even numbers.

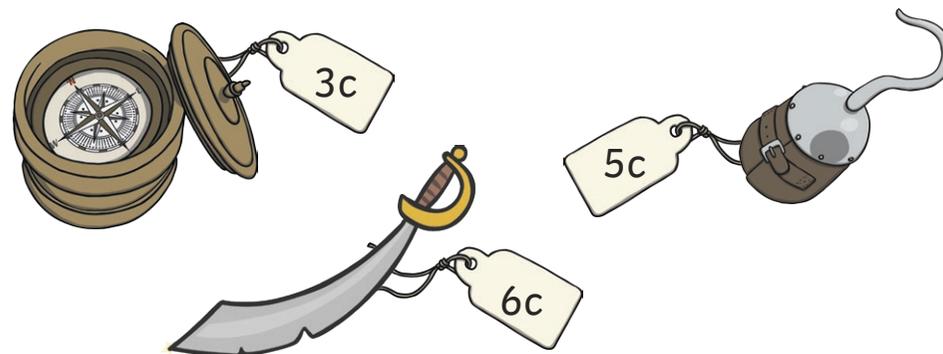
2 4 6 8 10



Does this always happen?  
Why does this happen?

Maths Challenge Cards

Iris has 28p. How could she spend it?



How many different ways can you find?

Maths Challenge Cards

Elsa, Ashton and Jules are standing in a line. They are wearing scarves. There is a yellow scarf, a red scarf and a green scarf.



Jules is in the middle with a red scarf. Ashton is on the right and does not have a yellow scarf. Where is Elsa and what colour scarf has she got on?

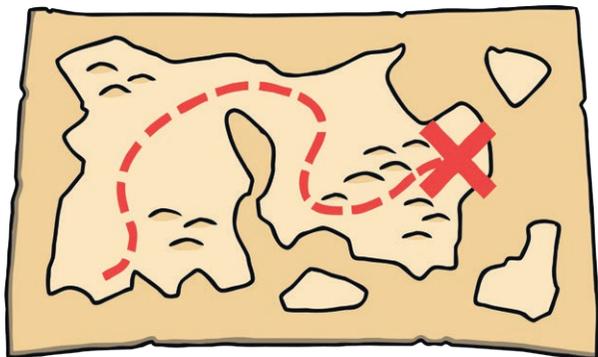
Maths Challenge Cards

Abdul has 7 more coins than Greg in his treasure chest. How many coins might they both have?



Maths Challenge Cards

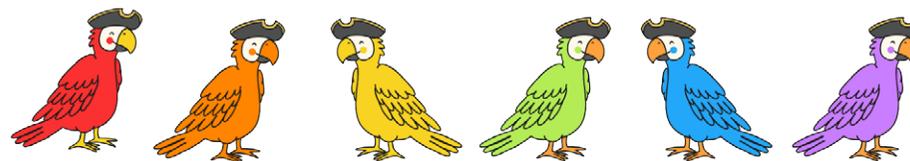
Find 2 numbers next to each other that add up to 15.



Now try subtracting 2 numbers to make 15.

Maths Challenge Cards

You can only buy 1 colour of parrot at a time.



1c

2c

3c

4c

5c

8c

Which parrots can you buy for exactly 15p and how many can you buy?

Maths Challenge Cards

Find 2 numbers which when you take away the smaller one from the bigger one you get an answer of 1.



What do you notice?

Maths Challenge Cards

Dominoes can have 0,1,2,3,4,5 or 6 spots on each side. How many dominoes can you find which have a total of 5 spots?



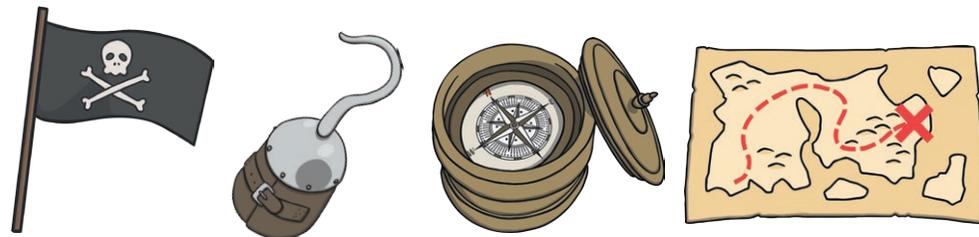
Maths Challenge Cards

Find as many ways as you can of adding 3 even numbers together to make a total of 14.

6 8 4 10 2

You can use each number more than once.

Maths Challenge Cards



5c

10c

2c

20c

I spent 32c on 3 items. What did I buy?

Make up a question for a friend.

Maths Challenge Cards

The answer is 14.

What is the question?

Maths Challenge Cards

Ashley throws 3 darts at the target board. What is the highest score she can get? What is the lowest score she could get?



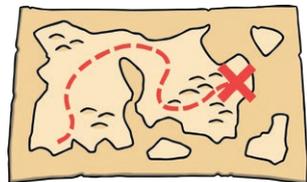
What if all the darts land in a different place?

Maths Challenge Cards

15 pirates are going on a voyage! How many packets of each item do you need?



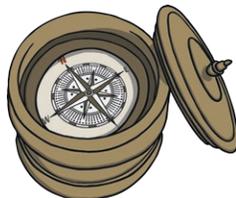
10  
per pack



5  
per pack



3  
per pack



15  
per pack

Maths Challenge Cards

Stephen says he is 6 years older than Mel.  
Mel is 22.



How old is Stephen?

Maths Challenge Cards

$$16 = \square + \square$$

How many different ways can you find to do this?

Maths Challenge Cards

How long is the line?



Imogen rubs out half of the line. How long is it now?



Maths Challenge Cards

14 coins are found in a treasure chest. Bernie found 6 and Aisha found 5. How many coins did Basil find?

