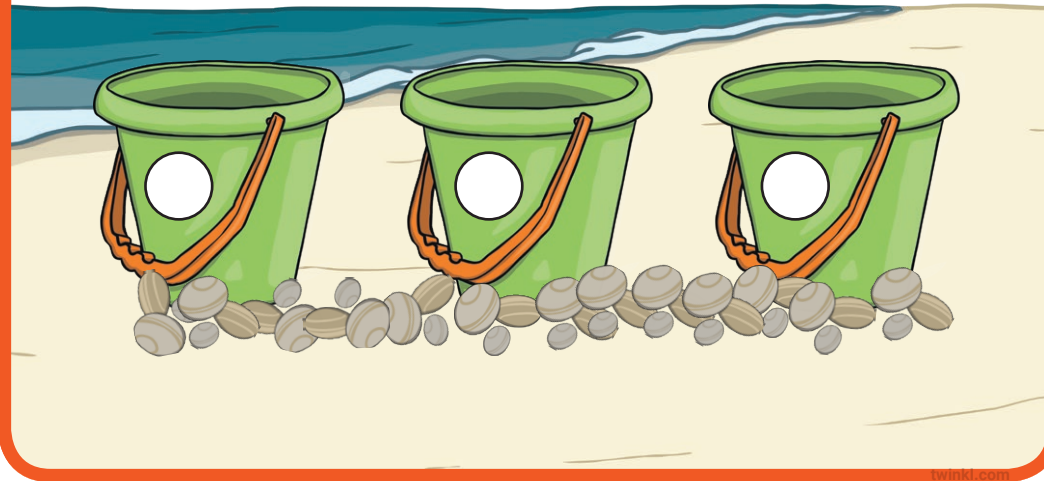


Math Challenge Cards

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Math Challenge Cards

Put 15 rocks in 3 buckets. Each bucket must have 3 more rocks than the one before.



Math Challenge Cards

How many different ways can you make 14?

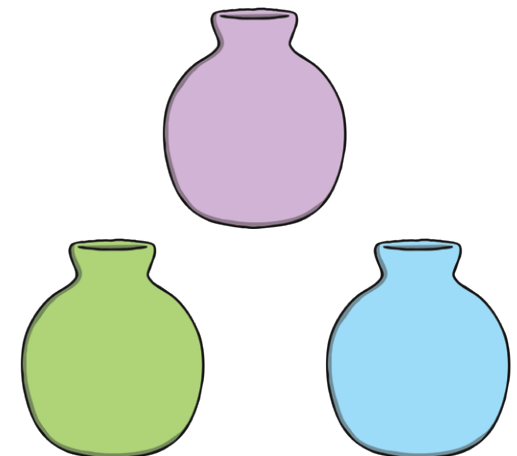
$$3 + 11 = 14$$

$$16 - 2 = 14$$



Math Challenge Cards

Put one flower in each vase.



How many different ways are there to do this?

Math Challenge Cards

Decorate three sandcastles with 21 shells. Each sandcastle must have 4 more shells than the one before.



How many different ways are there to do this?

Math Challenge Cards

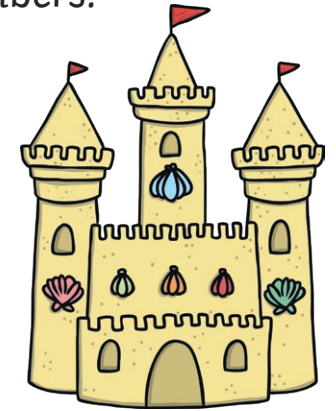
Choose 2 odd numbers and add them together. What do you notice?

Try this with different odd numbers.

3 5 1 13 9

What happens?

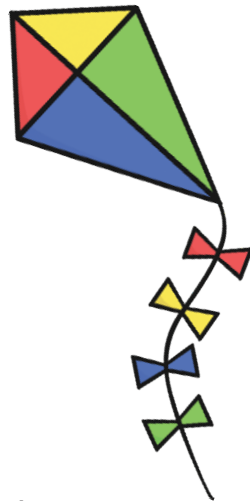
Why does this happen?



Math Challenge Cards

Add together the numbers:

5, 4, 3, 2, 1



What is the total?

Can you find a quick way to do this?

Math Challenge Cards

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

4 12
8
3
11
9
7 15

Does this always happen?

Why does this happen?



Math Challenge Cards

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

Try this with different even numbers.

4 2 6 8 12



Does this always happen?

Why does this happen?

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Math Challenge Cards

Tom has 24p. How could he spend it?



2p



5p



4p

How many different ways can you find?

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Math Challenge Cards

Tom, Hannah and Jane are in a line. They each have one ice cream. There is an orange, a yellow and a red ice cream.



Tom is in the middle with a yellow ice cream. Jane is on the left and does not have a red ice cream. Where is Hannah and what colour ice cream does she have?

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Math Challenge Cards

Charlie is 4 years younger than his brother Paul.
How old might each of them be?



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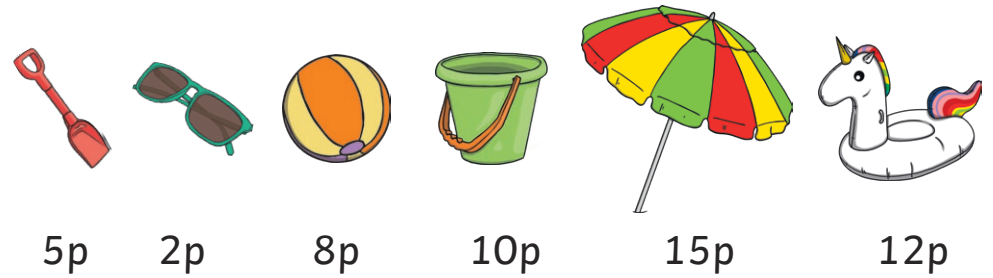
Math Challenge Cards

Find 2 numbers next to each other that add up to 23.



Math Challenge Cards

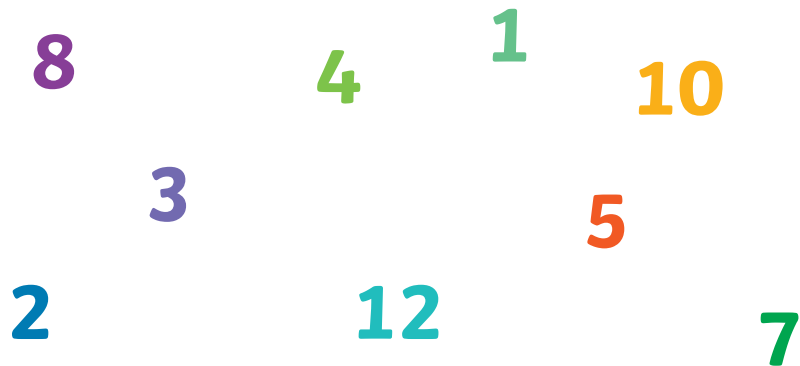
You can only buy 2 types of items from my shop at a time.



Which items can you buy for exactly 60p and how many can you buy?

Math Challenge Cards

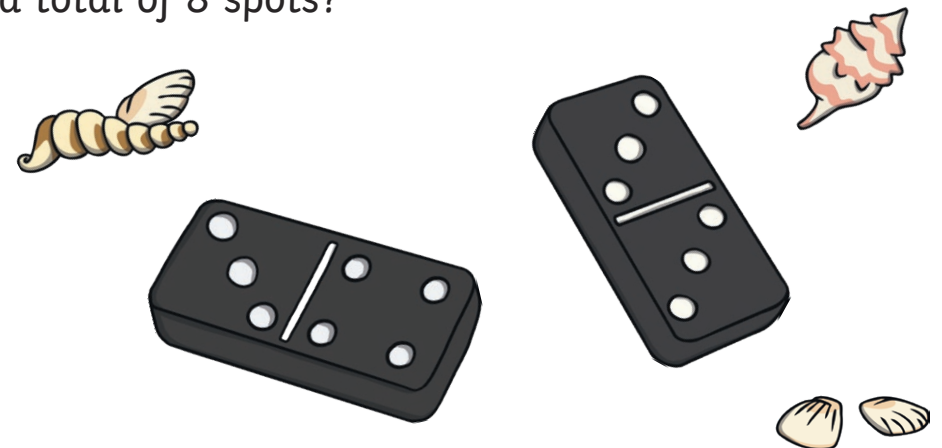
Find any 2 numbers which when you take away the smaller one from the bigger one you get an answer of 1.



What do you notice?

Math Challenge Cards

Dominoes can have 1, 2, 3, 4, 5, 6 dots on each side. How many dominoes can you find which have a total of 8 spots?



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

12 4 8 6 10 2

You can use a number more than once.



I spent 36p. What did Iv buy?

Make up a question for a friend.

The answer is 15.

What is the question?

How many different questions can you think of?

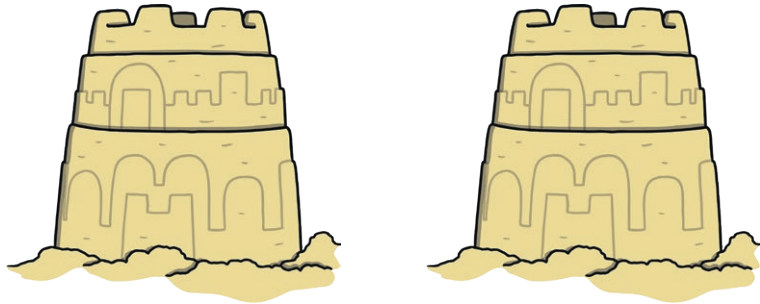
20 people are going to be at a party! How many packets of each item are you going to buy?



5 per pack 4 per pack 8 per pack 5 per pack

Math Challenge Cards

There are 3 shells on the first sandcastle and 3 more on the second. How many shells are on the second sandcastle?



How many shells are there altogether?

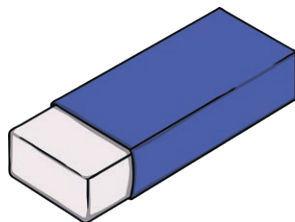
Math Challenge Cards

$$15 = \square + \square$$

How many different ways can you find to do this?

Math Challenge Cards

How long is the line? Use a ruler to measure it.



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

Math Challenge Cards

Rachel and Lauren found 20 shells on the beach. They both took some shells home with them and left 8 on the beach. Lauren took 4 home. How many shells did Rachel take?

