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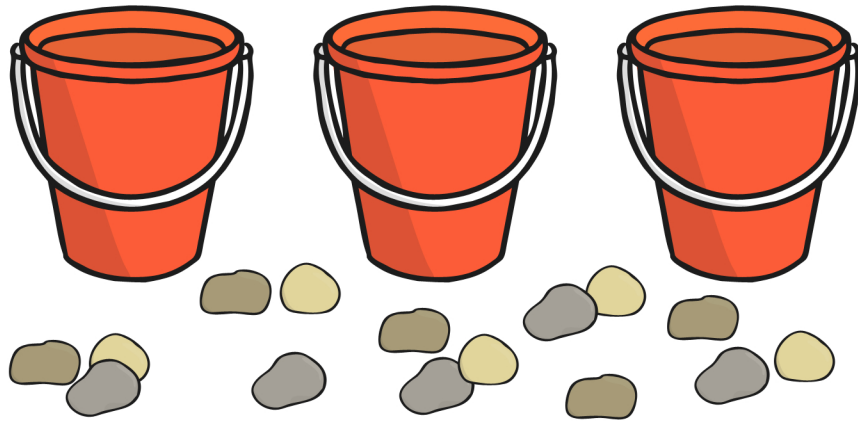
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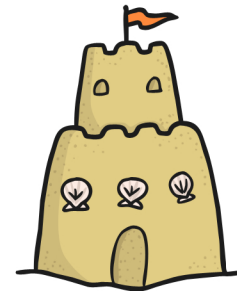***Did you know we also have twinkl Premium for schools?***
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Maths Challenge Cards

1 + 2 = 3

= 1 2 3 +

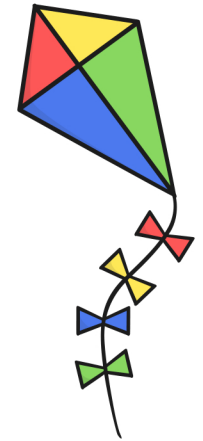Put 15 rocks in 3 buckets. Each bucket must have 3 more rocks than the one before.

How many different ways can you make 14?
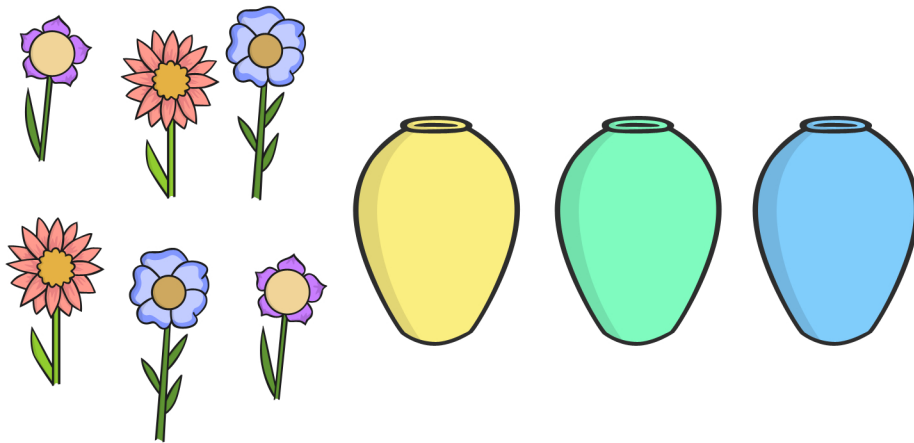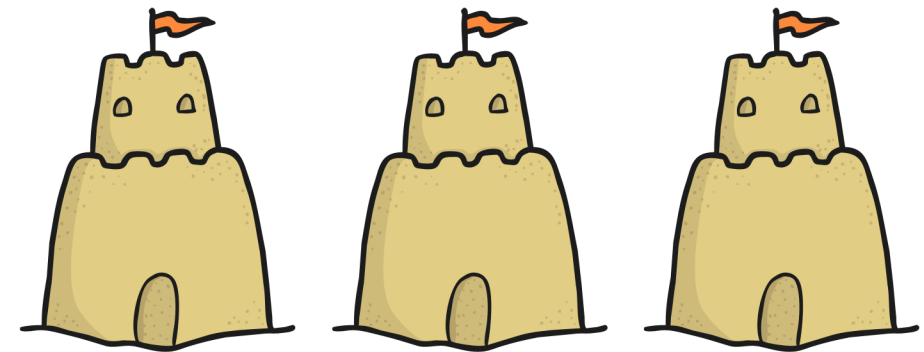
3 + 11 = 14
16 - 2 = 14

Put one flower in each vase.

How many different ways are there to do this?

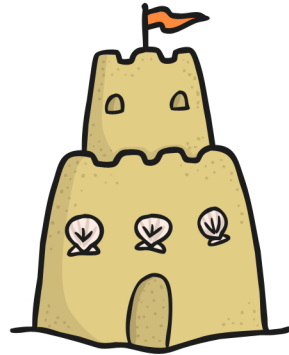Decorate three sandcastles with 21 shells. Each sandcastle must have 4 more shells than the one before.

How many different ways are there to do this?

Choose 2 odd numbers and add them together. What do you notice?
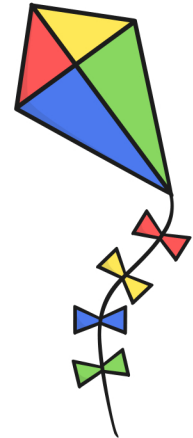
Try this with different odd numbers.

3   5   1   13   9

What happens?
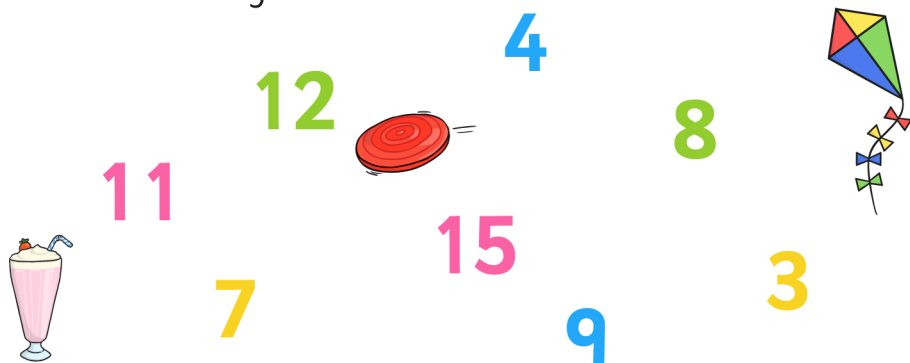Why does this happen?

Add together the numbers

5, 4, 3, 2, 1

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

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

4

12

11

8

15

7

3

9

Does this always happen?
Why does this happen?

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?

Tom has 24p. How could he spend it?

2p

5p

4p

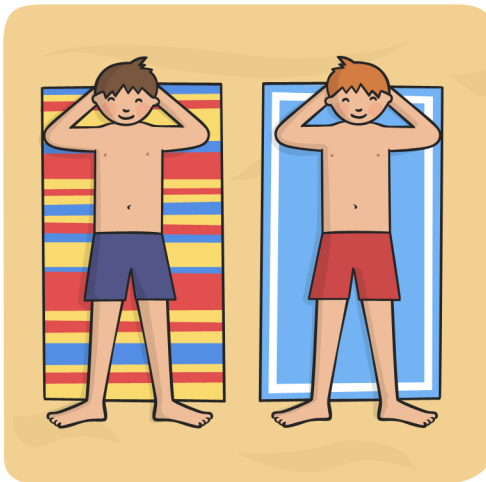How many different ways can you find?

Tom, Stephen and Jamie are in a line. They each have one ice lolly. There is an orange, a yellow and a red lolly.

Tom is in the middle with a yellow lolly. Jamie is on the left and does not have a red lolly. Where is Stephen and what colour ice lolly does he have?

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

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

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

5p 2p 8p 10p 15p 12p

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

Find any 2 numbers which when you take away the smaller one from the bigger one you get an answer of 1.
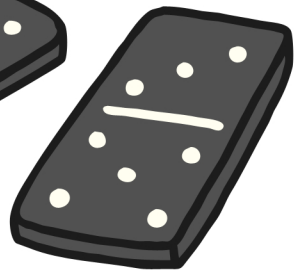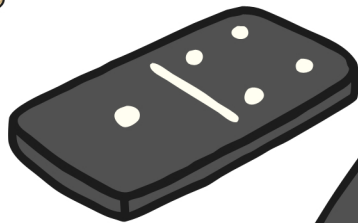
8
4
1
3
10
2
12
5
7

What do you notice?

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.

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10p 14p 4p 12p

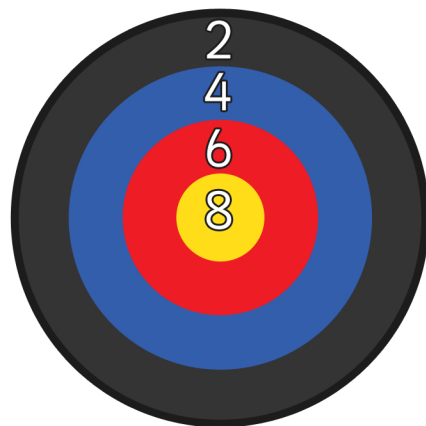I spent 36p. What did I buy?

Make up a question for a friend.

The answer is 15.

What is the question?
How many different questions can you think of?

Ellie throws 5 darts at the target board. What is the highest score she can get? What is the lowest score she could get?

2
4
6
8

What if all the darts land in a different place?

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

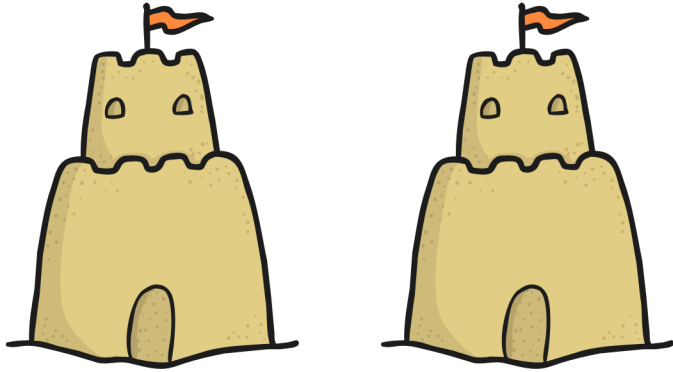8 per pack   4 per pack   5 per pack   5 per pack

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

How many shells are there altogether?

15 = ☐ + ☐

How many different ways can you find to do this?
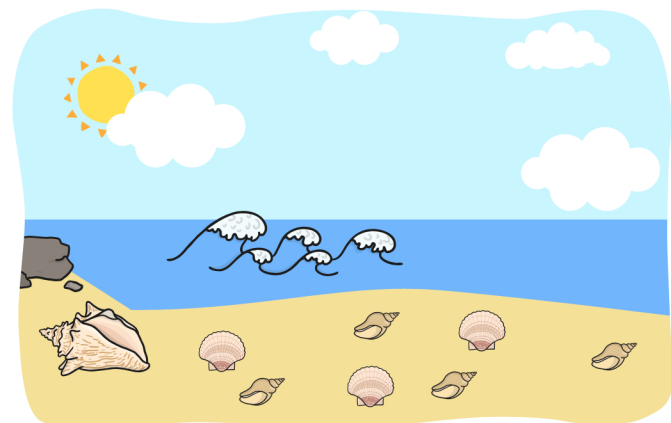
How long is the line? Use a ruler to measure it.

Sunny Beach

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

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?