Odd and Even Numbers

Click the odd numbers to turn them blue. Leave the even numbers grey.
Talk to your helper about what patterns you notice.

1	2	3	4	5	6	7	8	9	10

13	14	15	16	17	18	19	20	21	22

29	28	27	26	25	24	23	22	21	20

Look at the 'ones' digit of all the odd numbers. What do you notice?

Look at the 'ones' digit of all the even numbers. What do you notice?

Tick the odd numbers:

272 ☐ **434** ☐ **321** ☐ **79** ☐ **125** ☐ **108** ☐ **80** ☐

Tick the even numbers:

88 ☐ **322** ☐ **950** ☐ **421** ☐ **342** ☐ **233** ☐ **344** ☐

Saira has 75 pencils. Her teacher has asked her to divide them between two pots. Saira says, 'I won't be able to do it.' Is she right? Explain why.

	L.O. To be able to extract key information from word problems to create and solve division sentences.	Traffic light

A coach buys 30 sweets. He divides them equally between 10 players. How many sweets does each player get?

_____ ÷ _____= _____

20 people attend a football match. There are 5 rows of seats. An equal number of people sit on each of the rows. How many people are in each row?

_____ ÷ _____= _____

David has £20. He shares the money equally between his 4 children. How much money does each child get?

_____ ÷ _____= _____

15 people go to a match. At half time, they split up into groups of 5 to go for lunch. How many groups have they split up into?

_____

Karen is giving out cups of orange juice at a football match. She has 25 cups which she has to share out equally onto 5 trays. How many cups will be on each tray?

_____

A coach buys 20 footballs. He divides them equally into 10 different bags. How many footballs will go in each bag?

_____

There are 12 people watching a match. 6 of them are cheering. How many people are not cheering?

_____

16 children want to go to a match. They need to split up equally and travel in 2 minibuses. How many children will go in each minibus?

_____

	L.O. To be able to solve a problem and find out how many are left over using a division sentence to show working out.	Traffic light

You can get 5 people in 1 car. There are 17 people. How many people will not get in a car?

_____ people will not have a car

I share 23 sweets between 2 children.

How many will they each get? What is left?

Each child gets _____ sweets each

There will be _____ sweets left over

Joe has 5 horses and 24 apples.

How many apples will each horse get? What is left?

Each horse gets _____ apples each

There will be _____ apples left over

Each tractor needs 4 wheels. I have 15 wheels.

How many will I have left?

There will be _____ wheels left over

	L.O. To solve problems involving division.	Traffic light

Andrew decorated 20 biscuits to take to a party.

He lined them up and put icing on every second biscuit (yellow).

Then he put a cherry on every third biscuit (red).

Then he put a chocolate button on every fourth biscuit (brown).

So, there was nothing on the first biscuit.

How many other biscuits had no decoration?

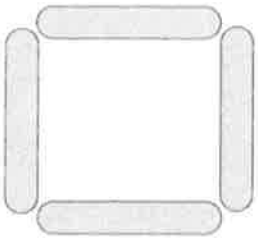
Did any biscuits get all three decorations?

Use coloured pencils as coded above to help you work this out.

Work out what each of the 20 biscuits had on them below.

	L.O. To recognise patterns in division problems.	Traffic light

For this activity you will need lollipop sticks. Use your lollipop sticks to make squares like this:



How many can you make? How many lollipop sticks do you have left over? What division calculation have you done? Are there any remaining?

Number of lollipop sticks	What does this look like?	How many squares have you made?	How many are left over?
Example: 11		2	3 11 ÷ 3 = 2 r3
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

What is the pattern you have noticed?