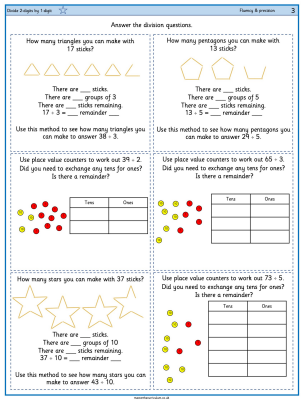
★ Multiplication & Division – Divide 2-digits by 1-digit

This sheet evaluates the children on how they apply their understanding of dividing 2-digit number by 1-digit number with remainders. The sides of the shapes represent as the divisor and they count the number of shapes they can form and the sides of the unfinished shapes are the remainders.

They use place value counters to work out the answers where they can identify if they need to exchange or not.



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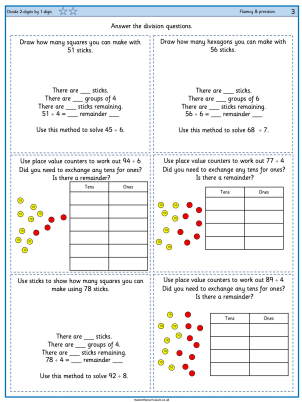
★★ Multiplication & Division – Divide 2-digits by 1-digit

Children draw shapes out of the number of sticks given. Then they express how many shapes they form and how many sticks are remaining.

They use place value counters to work out the answers where they can identify if they need to exchange or not.



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★★★ Multiplication & Division – Divide 2-digits by 1-digit

Children encounter word problems where they are to divide 2-digit number by a 1-digit number. They work on multi-step problems where they are to indicate the remainder.

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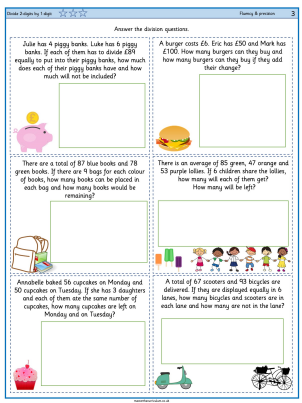

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Answer the division questions.

How many triangles you can make with 17 sticks?

There are ___ sticks.
There are ___ groups of 3
There are ___ sticks remaining.
17 ÷ 3 = ___ remainder ___

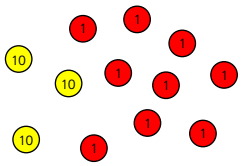
Use this method to see how many triangles you can make to answer 38 ÷ 3.

How many pentagons you can make with 13 sticks?

There are ___ sticks.
There are ___ groups of 5
There are ___ sticks remaining.
13 ÷ 5 = ___ remainder ___

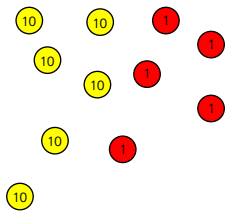
Use this method to see how many pentagons you can make to answer 29 ÷ 5.

Use place value counters to work out 39 ÷ 2.
Did you need to exchange any tens for ones?
Is there a remainder?



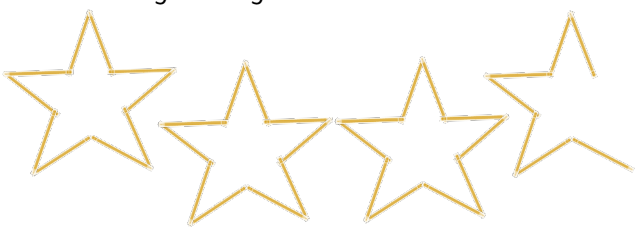
Tens	Ones

Use place value counters to work out 65 ÷ 3.
Did you need to exchange any tens for ones?
Is there a remainder?



Tens	Ones

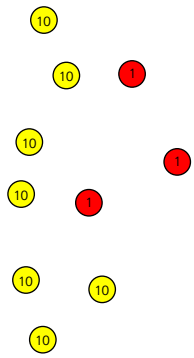
How many stars you can make with 37 sticks?



There are ___ sticks.
There are ___ groups of 10
There are ___ sticks remaining.
37 ÷ 10 = ___ remainder ___

Use this method to see how many stars you can make to answer 43 ÷ 10.

Use place value counters to work out 73 ÷ 5.
Did you need to exchange any tens for ones?
Is there a remainder?



Tens	Ones

Answer the division questions.

How many triangles you can make with 17 sticks?

There are 17 sticks.
There are 5 groups of 3
There are 2 sticks remaining.
17 ÷ 3 = 5 remainder 2

Use this method to see how many triangles you can make to answer 38 ÷ 3 = 12 r 2

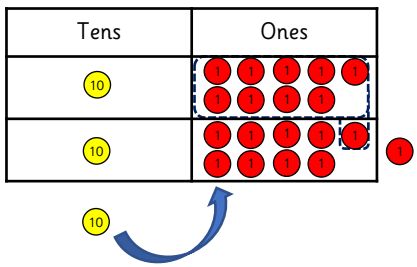
How many pentagons you can make with 13 sticks?

There are 13 sticks.
There are 2 groups of 5
There are 3 sticks remaining.
13 ÷ 5 = 2 remainder 3

Use this method to see how many pentagons you can make to answer 29 ÷ 5 = 5 r 4

Use place value counters to work out 39 ÷ 2.
Did you need to exchange any tens for ones? Is there a remainder?

39 ÷ 2 = 19 r 1

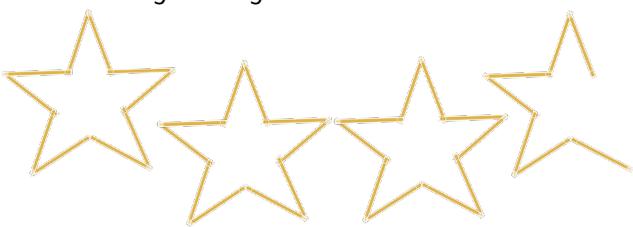


Exchange one ten into ten ones

Use place value counters to work out 65 ÷ 3.
Did you need to exchange any tens for ones? Is there a remainder?

65 ÷ 3 = 21 r 2

How many stars you can make with 37 sticks?

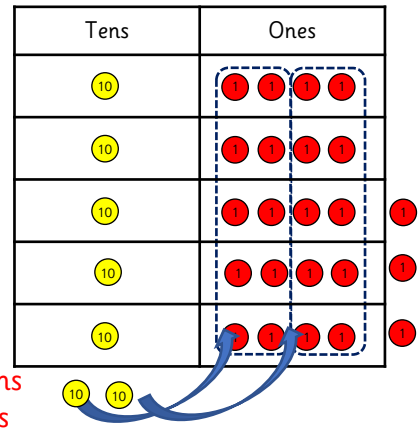


There are 37 sticks.
There are 3 groups of 10
There are 7 sticks remaining.
37 ÷ 10 = 3 remainder 7

Use this method to see how many stars you can make to answer 43 ÷ 10 = 4 r 3

Use place value counters to work out 73 ÷ 5.
Did you need to exchange any tens for ones? Is there a remainder?

73 ÷ 5 = 14 r 3



Exchange two tens into twenty ones

Answer the division questions.

Draw how many squares you can make with 51 sticks.

There are ___ sticks.
There are ___ groups of 4
There are ___ sticks remaining.
51 ÷ 4 = ___ remainder ___

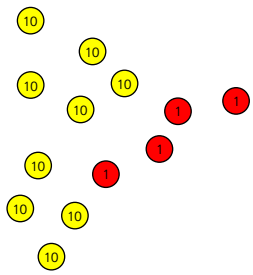
Use this method to solve 45 ÷ 6.

Draw how many hexagons you can make with 56 sticks.

There are ___ sticks.
There are ___ groups of 6
There are ___ sticks remaining.
56 ÷ 6 = ___ remainder ___

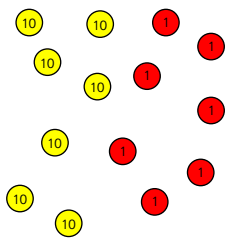
Use this method to solve 68 ÷ 7.

Use place value counters to work out 94 ÷ 6
Did you need to exchange any tens for ones?
Is there a remainder?



Tens	Ones

Use place value counters to work out 77 ÷ 4
Did you need to exchange any tens for ones?
Is there a remainder?



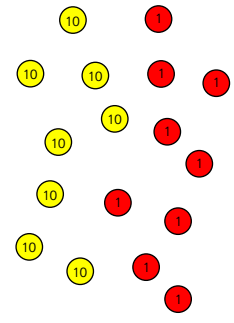
Tens	Ones

Use sticks to show how many squares you can make using 78 sticks.

There are ___ sticks.
There are ___ groups of 4.
There are ___ sticks remaining.
78 ÷ 4 = ___ remainder ___

Use this method to solve 92 ÷ 8.

Use place value counters to work out 89 ÷ 4
Did you need to exchange any tens for ones?
Is there a remainder?



Tens	Ones

Answer the division questions.

Draw how many squares you can make with 51 sticks.

There are 51 sticks.
There are 12 groups of 4
There are 3 sticks remaining.
51 ÷ 4 = 12 remainder 3

Use this method to solve 45 ÷ 6 = 7 r 3

Draw how many hexagons you can make with 56 sticks.

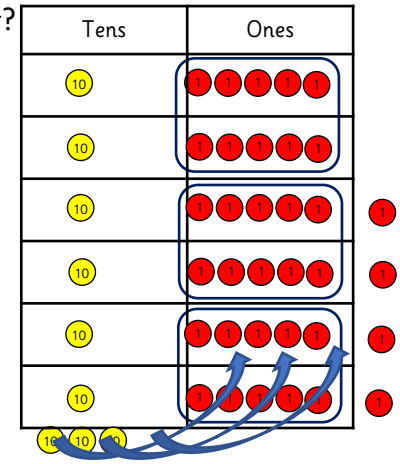
There are 56 sticks.
There are 9 groups of 6
There are 2 sticks remaining.
56 ÷ 6 = 9 remainder 2

Use this method to solve 68 ÷ 7 = 9 r 5

Use place value counters to work out 94 ÷ 6
Did you need to exchange any tens for ones? Is there a remainder?

94 ÷ 6 = 15 r 4

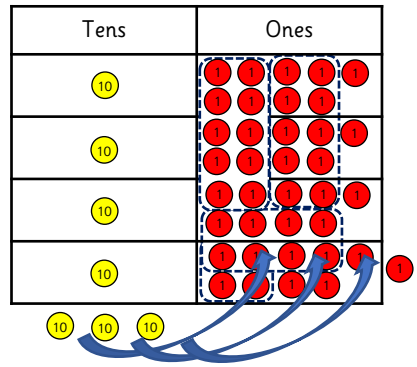
Exchange three tens into thirty ones



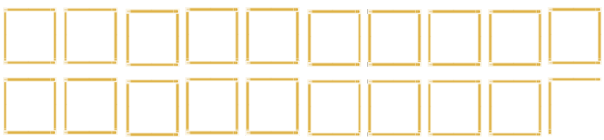
Use place value counters to work out 77 ÷ 4
Did you need to exchange any tens for ones? Is there a remainder?

77 ÷ 4 = 19 r 1

Exchange three tens into thirty ones



Use sticks to show how many squares you can make using 78 sticks.

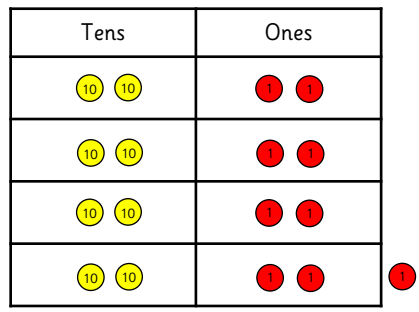


There are 78 sticks.
There are 19 groups of 4.
There are 2 sticks remaining.
78 ÷ 4 = 19 remainder 2

Use this method to solve 92 ÷ 8 = 11 r 4

Use place value counters to work out 89 ÷ 4
Did you need to exchange any tens for ones? Is there a remainder?

89 ÷ 4 = 22 r 1



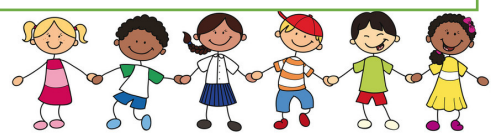
Answer the division questions.

Julie has 4 piggy banks. Luke has 6 piggy banks. If each of them has to divide £89 equally to put into their piggy banks, how much does each of their piggy banks have and how much will not be included?

A burger costs £6. Eric has £50 and Mark has £100. How many burgers can they buy and how many burgers can they buy if they add their change?

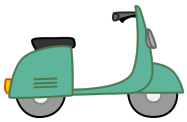
There are a total of 87 blue books and 78 green books. If there are 9 bags for each colour of books, how many books can be placed in each bag and how many books would be remaining?

There is an average of 85 green, 47 orange and 53 purple lollies. If 6 children share the lollies, how many will each of them get? How many will be left?



Annabelle baked 56 cupcakes on Monday and 50 cupcakes on Tuesday. If she has 3 daughters and each of them ate the same number of cupcakes, how many cupcakes are left on Monday and on Tuesday?

A total of 67 scooters and 93 bicycles are delivered. If they are displayed equally in 6 lanes, how many bicycles and scooters are in each lane and how many are not in the lane?



Answer the division questions.

Julie has 4 piggy banks. Luke has 6 piggy banks. If each of them has to divide £89 equally to put into their piggy banks, how much does each of their piggy banks have and how much will not be included?

Julie: 89 ÷ 4 = 22 r 1
£22 in each piggy bank and £1 will not be included.
Luke: 89 ÷ 6 = 14 r 5
£14 in each piggy bank and £5 will not be included.

A burger costs £6. Eric has £50 and Mark has £100. How many burgers can they buy and how many burgers can they buy if they add their change?

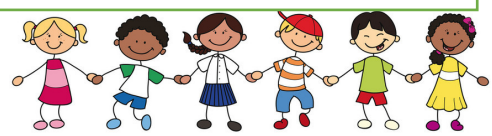
Eric: 50 ÷ 6 = 8 r 2
8 burgers with £1 change.
Mark: 100 ÷ 6 = 16 r 4
16 burgers with £4 change.
£2 + £4 = £6
1 burger can be bought if they add their change

There are a total of 87 blue books and 78 green books. If there are 9 bags for each colour of books, how many books can be placed in each bag and how many books would be remaining?

Blue books: 87 ÷ 9 = 9 r 6
Green books: 78 ÷ 9 = 8 r 6
9 blue books and 6 remaining.
8 green books and 6 remaining.
9 + 8 = 17. 17 books can be placed in each bag

There is an average of 85 green, 47 orange and 53 purple lollies. If 6 children share the lollies, how many will each of them get? How many will be left?

Green: 85 ÷ 6 = 14 r 1
Orange: 47 ÷ 6 = 7 r 5
Purple: 53 ÷ 6 = 8 r 5
1 + 5 + 5 = 11
11 lollies will be left.



Annabelle baked 56 cupcakes on Monday and 50 cupcakes on Tuesday. If she has 3 daughters and each of them ate the same number of cupcakes, how many cupcakes are left on Monday and on Tuesday?

Monday: 56 ÷ 3 = 18 r 2
Tuesday: 50 ÷ 3 = 16 r 2

2 cupcakes are left on Monday and 2 cupcakes are left on Tuesday.

A total of 67 scooters and 93 bicycles are delivered. If they are displayed equally in 6 lanes, how many bicycles and scooters are in each lane and how many are not in the lane?

Scooters: 67 ÷ 6 = 11 r 1
Bicycles: 93 ÷ 6 = 15 r 3
Scooters: 11 in lane, 1 not in the lane
Bicycles: 15 in the lane, 3 not in the lane