

To be able to divide 2-digit numbers by 1-digit numbers  
(with remainders)



### Starter:

Which one doesn't belong?

- a)  $24 \div 4$
- b)  $36 \div 6$
- c)  $19 \div 3$
- d)  $30 \div 5$

Explain your answer.

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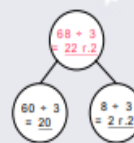


### Activity 1:

Use a place value chart, mathematical equipment and part-whole models.  
Calculate:

- a)  $37 \div 3 =$
- b)  $86 \div 4 =$
- c)  $67 \div 3 =$
- d)  $62 \div 3 =$
- e)  $95 \div 3 =$

| tens | ones |
|------|------|
|      |      |
|      |      |
|      |      |



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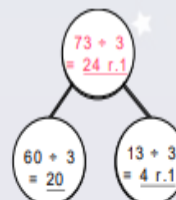


### Activity 2:

Use a place value chart, mathematical equipment and part-whole models.  
Calculate:

- a)  $77 \div 3 =$
- b)  $55 \div 4 =$
- c)  $98 \div 4 =$
- d)  $77 \div 6 =$
- e)  $89 \div 7 =$

| tens | ones |
|------|------|
|      |      |
|      |      |
|      |      |



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### Activity 3:

Ruth completes the following calculation:

$$58 \div 4 = 14 \text{ r.}2$$

She says, "58 is worth two more than a multiple of 4."

Do you agree?

Explain how you know.

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### Activity 4:

51 marbles are shared between four friends.

How many marbles remain after they have been shared equally?



James says, "There is one marble left over."

Ahmed says, "There are eleven marbles left over."

Ruth says, "There are three marbles left over."

Yasmin says, "There are four marbles left over."

Who do you agree with?

Explain your answer.

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### Activity 5:

Jamal is thinking of a two-digit number.

It is less than 50.

When it is divided by 2, there is a remainder of 1.

When it is divided by 3, there isn't a remainder.

When it is divided by 4, there is a remainder of 3.

When it is divided by 5, there is a remainder of 4.

What number is Jamal thinking of?

Explain your answer.

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Evaluation:



Two-digit odd  
numbers divided  
by an even  
number will  
require a  
remainder.

Is Astrobee's statement always, sometimes or never true?

Explain your answer.