Year 1

Maths WC 04/05/20

Measure

Week Timetable

In Maths this week, we are going to be looking at **an Introduction to Length and height.** We will be using Resources from Oak National Academy Week 1 to help us on our learning journey.

Click on the lesson you would like to complete:

Lesson 1 – Monday 4th May

Lesson 2 – Tuesday 5th May

Lesson 3 – Wednesday 6th May

Lesson 4 – Thursday 7th May

Lesson 5 – Friday 8th May

Optional Maths Challenge

Please complete the work in your exercise books and remember to send pictures of your work to your class teachers – we really love seeing how you are getting on!

Lesson 1

Fluency

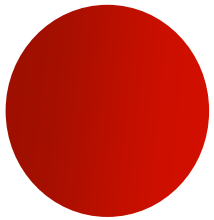
1. A question from last week:

How much does the pear weigh in cubes?

_____

2. A question from last term:

What 2D shape is this?



It is a _____

3. A question from last year:

Write 7 in words.

_____

Click here to see the answers!

Lesson 1

Fluency Answers

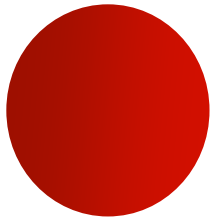
1. A question from last week:

How much does the pear weigh in cubes?

4 cubes

2. A question from last term:

What 2D shape is this?



It is a circle

3. A question from last year:

Write 7 in words.

Seven

Click to move on to the next activity

Lesson 1

Please go to https://www.thenational.academy/year-1/maths/to-compare-lengths-and-heights-of-objects-year-1-wk1-1 and click on Start lesson. The first lesson is to compare lengths and heights of objects.

Work through the lesson, pausing at various points to answer any questions. Please write any answers down in your exercise books.

Star Words!

length	short	height
shorter	measure	measurement
tall	shortest	taller
long	tallest	longer

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Lesson 1

Task 1

- Find three objects that are taller than you
- Find three objects that are shorter than you

Task 2

- Order the objects from tallest to shortest
- Find out where you would go in the order from tallest to shortest.

Challenge

See if you can order the people in your household from the tallest to the shortest.

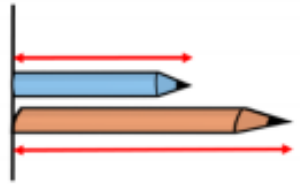
Where did you come?

Further Challenges

Lesson 1

Here are some Maths challenges to extend your learning!

Use the words **longer** and **shorter** in the sentence stems to compare the length of the blue pencil and the orange pencil.

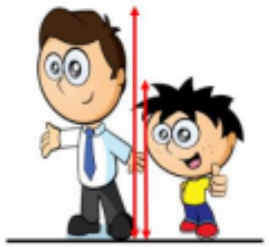


The blue pencil is _____ than the orange pencil.

The orange pencil is _____ than the blue pencil.

Which pencil is the longest? Which pencil is the shortest?

Use the words **taller** and **shorter** in the sentence stems to compare the height of the man and the boy.



The man is _____ than the boy.

The boy is _____ than the man.

Compare the vehicles using the words to help you.

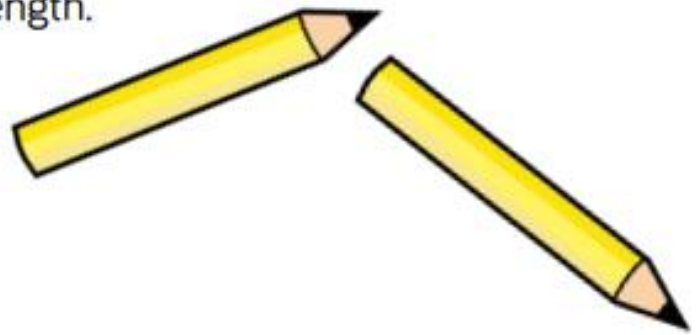
length	height
longer	same
taller	shorter

Reasoning

Lesson 1

On this page you have some reasoning questions to answer. Remember to explain your answers using full sentences,

Eva thinks the pencils are the same length.



How can Eva check if she is correct?

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Rosie, Alex and Mo are comparing the height of Mrs Rose and Jack.

Rosie

Mrs Rose is tall than Jack.

Alex

Jack is short than Mrs Rose.

Mo

Mrs Rose is longer than Jack.

Can you improve their sentences to make them more accurate?

Lesson 1

You have completed today's Maths lesson – Well done for working so hard!

Click here to go back to the main menu

Lesson 2

Fluency

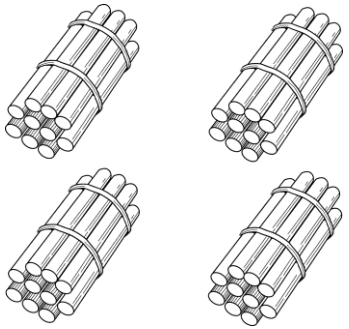
1. A question from last week:

Is the bottle full or empty?

_____

2. A question from last term:

What number am I representing?



_____

3. A question from last year:

5 + 7 = ____

Click here to see the answers!

Lesson 2

Fluency Answers

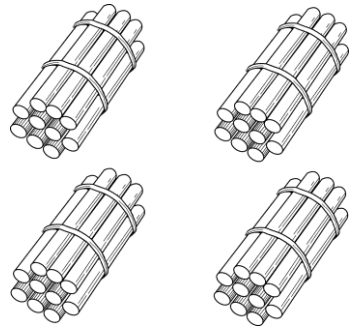
1. A question from last week:

Is the bottle full or empty?

Full

2. A question from last term:

What number am I representing?



40

3. A question from last year:

5 + 7 = 12

Click to move on to the next activity

Lesson 2

Work through the lesson, pausing at various points to answer any questions. Please write any answers down in your exercise books.

Please go to https://www.thenational.academy/year-1/maths/to-measure-lengths-using-non-standard-units-year-1-wk1-2 and click on Start lesson. The second lesson is to measure lengths using non-standard units.

Star Words!

length	short	height
shorter	measure	measurement
tall	shortest	compare
taller	long	longer
nearly	roughly	about

Next Slide

Lesson 2

Task

- Choose some furniture in your house and have a go at measure how long or tall it is using your hands.
- Try estimating first to see how close you get.
- How can you be as accurate as possible?

Name of Object	Number of hands
E.g. My bed	14 hands

Challenge

Can you put all of the objects you have measured into order or shortest to tallest?

Further Challenges

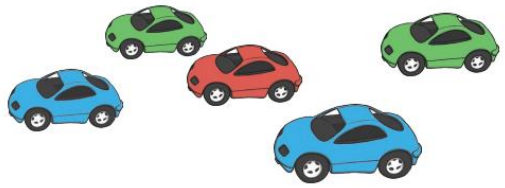
Lesson 2

Here are some Maths challenges to extend your learning!

2. Ask someone in your house hold, measure how tall you are. Then measure from fingertip to fingertip with your arms out wide. Do you notice anything?

1. Can you find anything in your house that is EXACTLY one hand long?

3. Find five objects, e.g. cars and order them by size. What could you use to check you have put them in the correct order?



Reasoning

Lesson 2

On this page you have some reasoning questions to answer. Remember to explain your answers using full sentences,

Do you think spaghetti stays the same length when it is cooked? Why/ Why not?

Ollie measures a door and says it is 15 hands high.
Miss Newman measure the same door and says it is only 12 hands high.
Why might they have got different results?

Is there a way we could make it more accurate?

Next Slide

Lesson 2

You have completed today's Maths lesson – Well done for working so hard!

Click here to go back to the main menu

Lesson 3

Fluency

Click here to see the answers!

1. A question from last week:

Finish the sentence:

The _____ is lighter than the _____ .

2. A question from last term:

What is one less that 36?

_____

3. A question from last year:

Complete this sequence:

4, 3, 2, 1, _____

Lesson 3

Fluency Answers

1. A question from last week:

Finish the sentence:

The cherry is lighter than the peach.

2. A question from last term:

What is one less that 36?

35

3. A question from last year:

Complete this sequence:

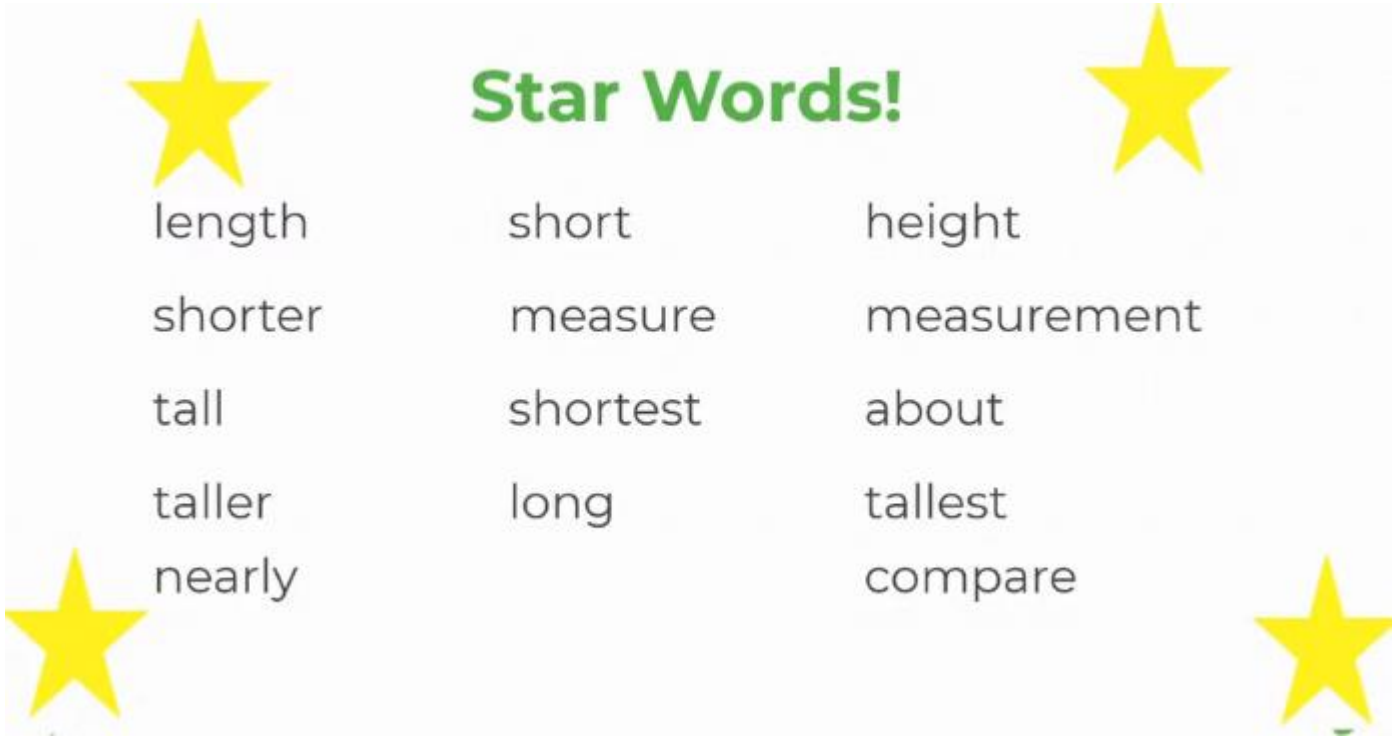
4, 3, 2, 1, 0

Click to move on to the next activity

Lesson 3

Work through the lesson, pausing at various points to answer any questions. Please write any answers down in your exercise books.

Please go to https://www.thenational.academy/year-1/maths/to-measure-lengths-using-non-standard-units-year-1-wk1-3 and click on Start lesson. The third lesson is to continue to measure lengths using non-standard units.



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Lesson 3

Further Challenges

Use this space to write the 3 different unit of measures you will use.

Task

Can you use a table to measure objects in your house using non-standard units?

Object	Estimate	Measure	Estimate	Measure	Estimate	Measure

Lesson 3

Challenge

Estimate how many paperclips you think to measure the height of Spiderman?

What about other non-standard units of measure?

Further Challenges

Lesson 3

Here are some Maths challenges to extend your learning!

1. Mr Hollis was measuring himself using sticks. He realized he was 5 sticks tall.

Pick a different unit of measure, not hands, and see how tall someone in your family is.

2. What unit of measure could you use to see how tall your house it?

3. Rae says it's important to measure in a straight line to make sure you get the right answer. Do you agree with her?

Reasoning

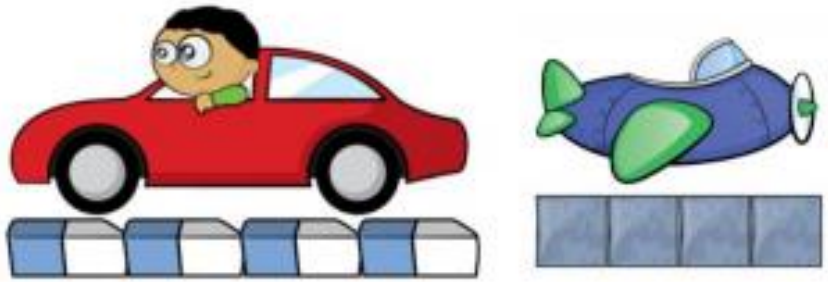
Lesson 3

On this page you have some reasoning questions to answer. Remember to explain your answers using full sentences,

True or false?

The flower is 8 cubes tall.
Explain your answer.

Whitney measures the length of two toys.



She says,

The toys are the same length.

Do you agree with Whitney?
Explain your answer.

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Lesson 3

You have completed today's Maths lesson – Well done for working so hard!

Click here to go back to the main menu

Lesson 4

Fluency

1. A question from last week:

Which bottle contains more juice?

_____

2. A question from last term:

If I had 15 pencils and then I got 12 more, how many would I have now?

_____

3. A question from last year:

What number is 5 less that 10?

_____

Click here to see the answers!

Lesson 4

Fluency Answers

1. A question from last week:

Which bottle contains more juice?

B

2. A question from last term:

If I had 15 pencils and then I got 12 more, how many would I have now?

27

3. A question from last year:

What number is 5 less that 10?

5

Click to move on to the next activity

Lesson 4

Work through the lesson, pausing at various points to answer any questions. Please write any answers down in your exercise books.

Please go to https://www.thenational.academy/year-1/maths/to-begin-to-understand-standard-units-of-measure-year-1-wk1-4 and click on Start lesson. The fourth lesson is begin to understand units of measure.

Star Words!

Measure	metre stick
metre	longer
shorter	estimate
one quarter	one half

Next Slide

Lesson 4

Task

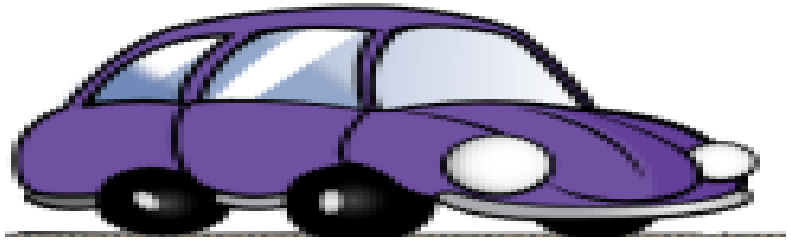
- Have a go at finding things in your home that are smaller than a metre.
- What can you find that is bigger than 1 metre?
- Make a list to show your findings
- Remember if you don't have a metre stick, you can estimate and make a prediction.

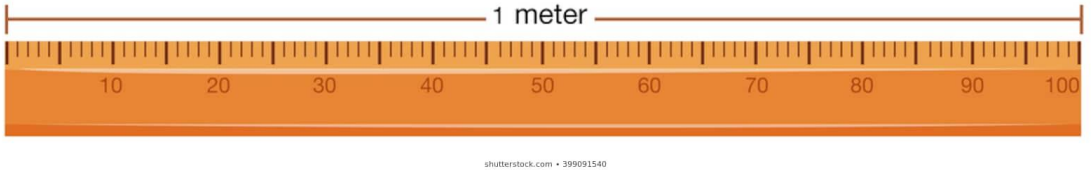
Reasoning

Lesson 4

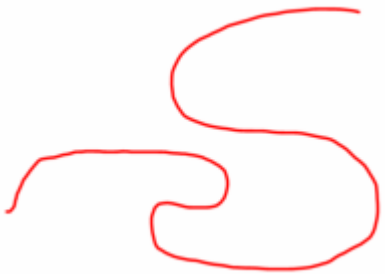
On this page you have some reasoning questions to answer. Remember to explain your answers using full sentences,

Ellie is measuring a car and says is longer than 1m because it longer than the metre stick. Is she correct? Why/ Why not?





Allie says this string is longer than 1m. How could she check?



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Lesson 4

You have completed today's Maths lesson – Well done for working so hard!

Click here to go back to the main menu

Lesson 5

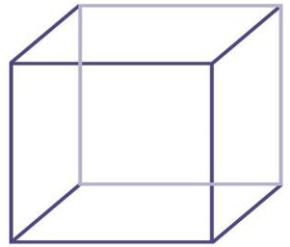
Fluency

1. A question from last week:

One bottle of juice fills 3 cups. How many cups does 2 bottles fill?

_____

2. A question from last term:



What do we call this 3D shape?

_____

3. A question from last year:

Find the total of 2 and 14

_____

Click here to see the answers!

Lesson 5

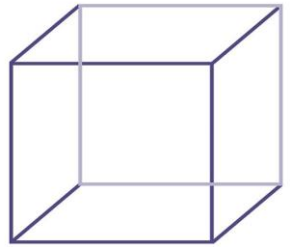
Fluency Answers!

1. A question from last week: 

One bottle of juice fills 3 cups. How many cups does 2 bottles fill?

6

2. A question from last term:



What do we call this 3D shape?

A cube

3. A question from last year:

Find the total of 2 and 14

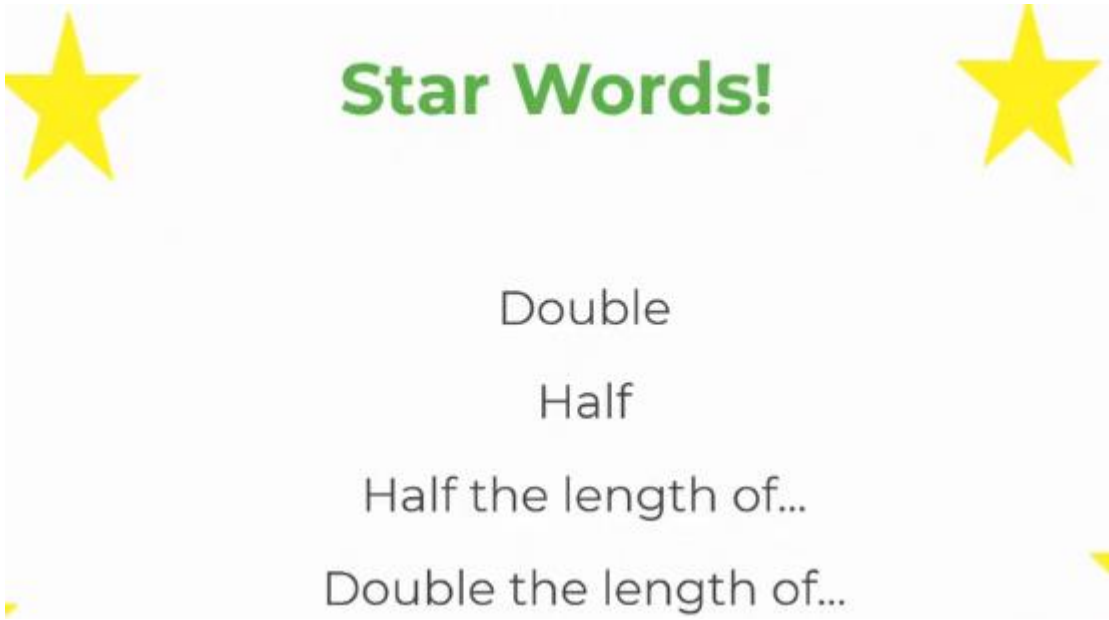
16

Click to move on to the next activity

Lesson 5

Work through the lesson, pausing at various points to answer any questions. Please write any answers down in your exercise books.

Please go to https://www.thenational.academy/year-1/maths/to-problem-solve-using-doubling-and-halving-year-1-wk1-5 and click on Start lesson. The fifth lesson is looking at solving problems using doubling and halving.



Next Slide

Lesson 5

Task

Whole	Half
14	7
16	
8	
20	
24	

Half	Double
8	16
20	
14	
18	
21	

Below are two tables.
The first requires you to halve the original number. You can do this by using manipulatives such as counters or pasta shells to create 2 equal groups out of the whole.
The second table asks you to double the original number. You can do this by counting out two piles of the original number and then counting the total of both piles.

Further Challenges

Lesson 5

Here are some Maths challenges to extend your learning!

Match the doubles to the additions.

Double 3	6 + 6
Double 6	7 + 7
Double 10	3 + 3
Double 7	10 + 10

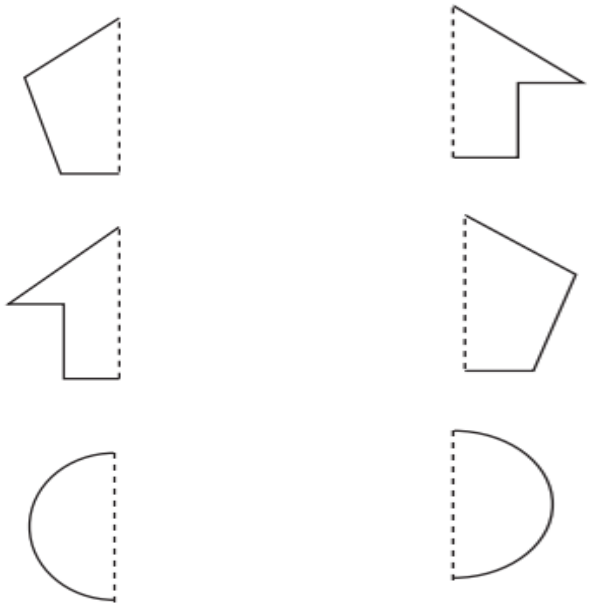
Fill in the gaps.

a) Double 15 is ☐

b) Double 11 is ☐

Show one half in three different ways.

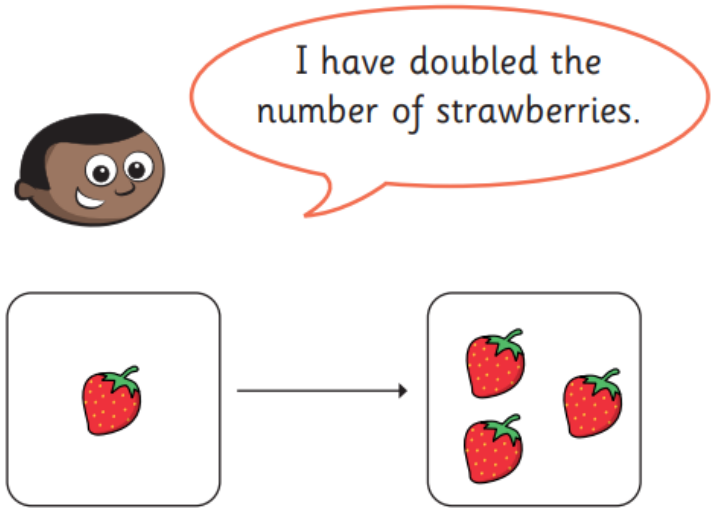
Match the halves to make a whole



Reasoning

Lesson 5

On this page you have some reasoning questions to answer. Remember to explain your answers using full sentences,



Do you agree with Mo?_____

Complete the table by doubling each number.

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

What patterns do you notice?

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Lesson 5

You have completed today's Maths lesson – Well done for working so hard!

Click here to go back to the main menu

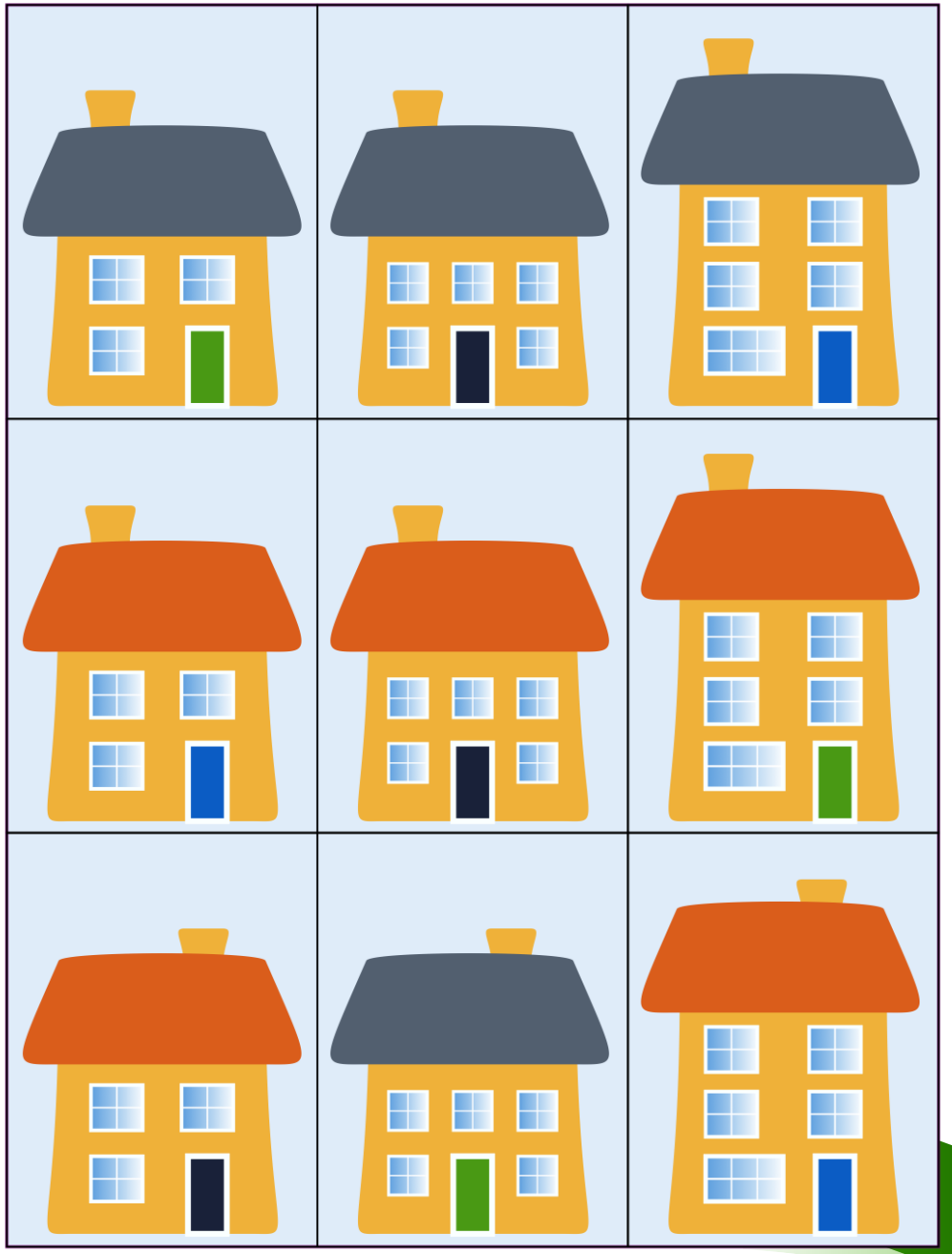
Main Menu

Maths Challenge

This week's optional Maths challenge is called:

'Sort the street'. If you require further support for this challenge visit https://nrich.maths.org/5157

On this website there is also the option to drag the houses into groups interactively. Alternatively you could draw or print off the houses.



Sort the Street

Here is a picture of nine of the houses in my street.
Find as many different ways to sort them into groups as you can.
What do you notice that is the same about some houses?
How are other houses different?

We hope you all...

The Year 1 Team

x