**Maths Hunt**

At home math hunt / trail for pupils in third and fourth class. Allinged with the NCCA math curriculum.

**First Stop: The Kitchen**

Q.1 Which objects in your fridge have the following shapes in them? Don’t forget to close the fridge door!

Cuboid­: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Sphere: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Cylinder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.2 Find out what the house phone number or a parent’s mobile number is. Add all of the digits together and multiply your answer by 10 and take away 50. What is your answer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.3 If someone drank ¼ of the milk in your house, how much milk would be left? Write your answer in ml.

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Q.4 Estimate and measure the weight of 3 pieces of fruit in your kitchen. After, find the difference between your estimates and the actual length. Use the chart below to record your answers.

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| Fruit | Estimate | Actual Length  | Difference |
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Q.5 Do a survey with your family (and friends if your use a phone) about their favourite drink using the template below. Then, draw a block graph showing what the information you found out.

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| water | milk | tea | coffee | juice  | hot chocolate |
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Q.6 (a.) Find the best before date on a tin of food in your press. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b.) How long away is that in months and years? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Second Stop: The Bathroom**

Q.1 Which objects in your bathroom are the following shapes?

Cone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Cube: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Cylinder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.2 Find two examples of symmetry in this room. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.3 Face the sink Turn one right angle to the right. What are you facing now?

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Q.4 Fill a cup with water and estimate how much water is in the cup. Then use a measuring jug to find out the actual capacity in ml. What was the difference in your answers?

Use the grid below to record your answer

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| --- | --- | --- | --- |
| C:\Users\Aine\AppData\Local\Microsoft\Windows\INetCache\IE\L2KVRVOM\mug-151614_640[1].png**Cup** | Estimate in ml | Actual capacity in ml | Difference in ml |
|  |  |  |

Q.5 Based on this answer, how many cups full of water would it take to fill a bottle of shampoo in your bathroom? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q. 6. How long is the perimeter of the bath or the shower in cm? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Third Stop: The Bedroom**

Q.1 List three cubes shapes in your bedroom. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q.2 Name and draw one examples of vertical and horizontal lines in your room.

(a.) vertical \_\_\_\_\_\_\_\_\_\_\_\_\_ (b.) horizontal\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q.3 Find an example of something in your room that makes a full rotation. Draw a picture of the object below.

Q.4 Look at the clock.

(a.) Write the time in digital format: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(b.) Write the time in analogue format: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(c.) What will the time be in 2 hours and 40 minutes? Write your answer in digital format.

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Q.5 How many centimetre long is your foot? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm.

Q.6 (a.) How many teddies do you have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b.) If you sold each teddy for €3.50 each, how much money would you make? (If you don’t have teddies you can use another toy, books, games, shoes or pictures) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Fourth Stop: The Garden**

Q.1 List two spheres is the garden\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.2 (a.) If each garden bench has 4 legs, how many legs would 12 garden benches have?

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Q.3 Estimate and measure the length of 5 things in your garden. After, find the difference between your estimates and the actual length.

Use the chart below to record your answers.

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| --- | --- | --- | --- |
| Object | Estimate | Actual Length  | Difference |
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Q. 4 (a.) Find and name an example of a right angle in the garden. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(b.) Find and name an angle that is less/more than a right angle.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Q.5 You have 18 roses and want to arrange them in 3 rows. How would you do this? Show your answer in the box below.

Q.5 Find and draw two examples of symmetry in the garden!

 Super work!

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