Distance Learning Maths Trail

Name:

Class:

1. **Find a circle in your home or outside area.**

   Where did you find it?

   Measure its diameter.

   Measure its circumference.

Go outside to your yard.

2. **Time 2/3/4members of your family running the width of the yard.**

   Record the times below

Name	Time

3. **Calculate the average time taken to run the width of the yard.**

4. If each member of your family had taken 1.5 seconds longer to run the width of the yard, what would the new average time be?

5. If a car drove 150 miles in 3 hours, what was the average speed during the journey?

6. Go to the largest room in your house and complete the following tasks.

Measure and record the length of the room
Measure and record the width of the room.

Calculate the area of the room.

Calculate the perimeter of the room.

7... How much would it cost to get a new floor in this room if a carpenter was charging €6.49 per square meter?

8. This room in your house is being setup for a party. 4 chairs can fit into each square metre. How many guests can you invite to the party?

9. If this room was 35% smaller than it currently is, what would the new area be?
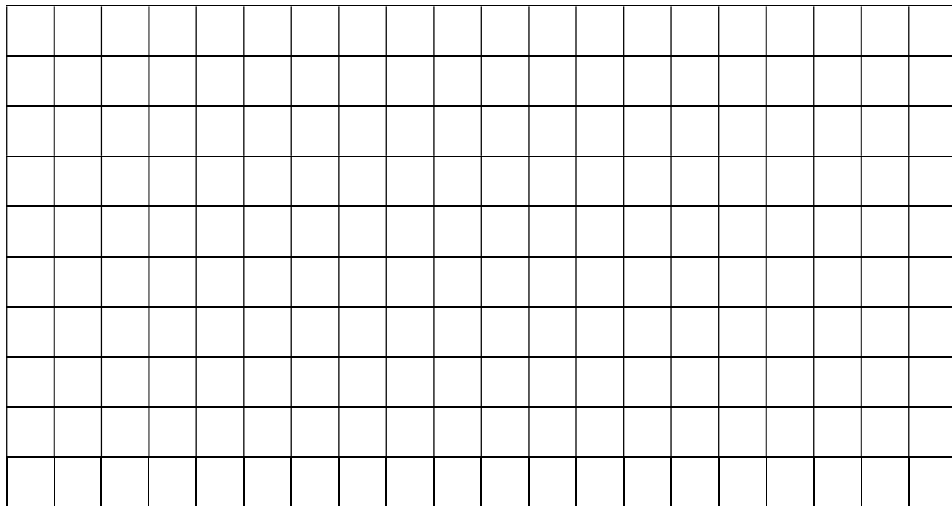
10. Count the number of window panes in your house.

11. If there were twice the number of window panes in the house, how many would be there then?

12. Go to a wall or window where you can see the road. Spend 2 minutes and 30 seconds recording the following information on what you see passing by.

	Number
Pedestrians	
Cyclists	
Motorists (in cars)	
Other	

13. Draw a bar chart to represent this information.

14. What was the most popular mode of transport during the time that you stood there?

15. How likely is it that the road will become busier later in the day?

Circle your choice, give a reason for your answer.

Certain	Likely	Even Chance	Unlikely	Impossible

16. Look around you.

Find 2 items which are symmetrical. Name and draw them.

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17. Complete the table below

2D shape found	Example	3d shape found	Example

18. Go back inside your house.

- **What time is it on the clock?**
- **What time will it be 1 hour and 45 minutes later?**
- **What time was it 33 minutes earlier?**

19. Pick the full name of one person in your family.

- How many vowels in their name?
- How many consonants?
- Write the number of vowels to consonants as a fraction, simplify if possible.

20. Fill up the kettle in the kitchen.

- Measure the amount of water in it.
- Change your answer to mls.
- Get a cup. Measure the amount of water it can hold.
- How many cups of water could you fill from the kettle if the kettle was full?

21. Take out your favourite cereal.

- What did the box weigh when it was full?
- How much cereal is left in the box now?
- Express this as a fraction.