**Examples of Junior and Senior Infant Trail questions:**

**Number:**

* Can you find 3 things in your classroom with corners? Count the corners.
* Now find 3 things with zero corners.
* Name 4 things you see outside at break-time.
* What is the biggest number you can think of?
* How many legs are under your table?
* How many legs are under your chair? How many legs under 2 chairs?
* Name 3 things that you do before coming to school.
* Without checking name all the things in your school bag today.
* What room numbers are right next door to your classroom?
* Add all 3 room numbers together.
* Write the first names of the children at your table.
* Are there more children or adults in your groups? How many more?
* How many cars are parked in the car park?
* Find a car that has the number ‘9’ on its registration plate. What other numbers can you see?

**Algebra:**

* What pattern can you see on the tiles on this corridor? Draw it here.

**Shape and space:**

* Count all the circles you can see.
* Can you find some triangles?
* Draw a shape with 4 straight sides. What do you call this shape?
* Now draw a shape with 2 straight sides and one curved side.
* Draw a rocket using triangles and rectangles.
* How can you see behind you without looking around or turning around?
* What shape are the car parking spaces? Why do you think it is a rectangular shape?
* What shape are the tyres on a car? Why?

**Measures:**

* Which is longer/shorter – your pencil or your partners pencil?
* Which is heavier/lighter – a football in the PE hall or your clipboard?
* How long do you think it would it take for you to walk from your classroom to the school office? Now time yourself.
* How many days are there in a week? Find this number on the hopscotch.
* What day is it today? What day will it be tomorrow?

**Examples of problems as a starting point for Trails**

**Infants:**

1. Children take photos of 2-D shapes around the school.

Report back and discuss their pictures.

2. The school needs the class doors painted over the summer.

How many classroom doors are there?

How many outside doors are there?

How many other doors are there?

What colour would you choose for each type of door?

**Extension Questions: (for older classes)**

How much paint would you need?

How many children would paint each door?

How many paintbrushes would you need?

*Challenge Question:*

Compare different brands of paint and value for money

3. Draw the shapes you find in:

|  |  |  |
| --- | --- | --- |
| The Garden | The Basketball Court | Back of school |
| Front of school | Playground | A.N. other area |