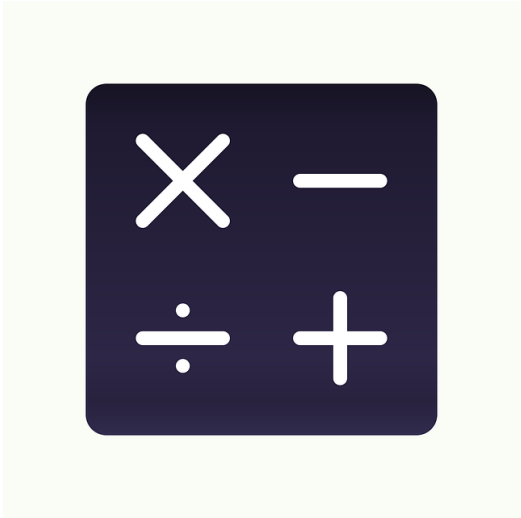
5TH CLASS

MATHS TRAIL BOOKLET FOR MATHS WEEK 2018

OCTOBER 15TH, 2018



Here are a few important guidelines before you begin:

- Safety is the number one priority - so act responsibly at all times
- Follow any directions your teacher gives you
- Respect other classes at work by (a) Being quiet and (b) Walking at all times

REMEMBER THIS IS NOT A RACE!

- Stay with your group during the trail
- You will need the following materials - Pencils/ a rubber
- Attempt ALL questions - this isn't a test!
- Enjoy the maths trail!

Looking at the front of the school – Start at the gates at the bottom of the yard.

1. Look at the school wall-plaque on the right.

In what year was the school built? =_____

2. How many digits are in this number? =_____

3. How many…

Thousands ____ Hundreds ____ Tens ____ Units _____

4. What is the smallest/ biggest total you can make with these digits?

Smallest =_____

Biggest = _____

5. Estimate the length of the wall from the 6th Class door at Mr. R. Hayden's to the door at the other end nearest to Mr. C. Hayden's room = _____m _____cm

Measure the length using the trundle wheel: _____m _____cm

In the Playground

1. Estimate and then find out how many steps there are that lead from the ardán to the yard. (Remember, there are 4 areas down to the yard!)

Estimate: _____ steps

Actual: _____ steps

2. How likely is it that there will be an earthquake in the school yard today? (Tick)

Certain	Likely	Not Likely	Impossible
_____	_____	_____	_____

3. Find the Numberline Snake. List all the PRIME NUMBERS on the numberline!

_____

4. Find the COMPOSITE NUMBER whose factors are 1, 2, 4, 7, 14 and 28. _____

5. Now find the hopscotch painted on the ground. Add all the numbers together. What do you get? _____.

6. Draw two numbers (featured in the hopscotch game) that are symmetrical:

(a)	(b)

7. What colours are the following shapes painted in the school yard?

Trapezium: _____ Hexagon: _____

8. Find the compass painted on the ground. What direction is directly opposite East (marked "E" on the compass)? _____

9. If I started at North, and walked CLOCKWISE to West, what kind of angle would be represented by that? _____

10. As you walk to the gate by the prefabs, count the number of footsteps painted on the ground: _____.

11. The gate by the prefabs forms an angle as it opens. What type of angle? _____ .

12. From the toilets, estimate how many metres it is to the front gates. _____ m

13. Now … walk to the front gate, measuring the metres using the trundle wheel and record it here: _____m

14. Stand at the front gate for 5 minutes and record the amount of different types of transport that pass (travelling down Patrick Street towards City Square)

Type of Transport:	Number:	Total:
Car		
Van		
Bus		
Pedestrian		
Motorbike		
Bicycle		

15. What was the most popular mode of transport? _____

16. How many more cars than pedestrians? (or vice versa!) _____

17. Show the information you collected on a bar chart below: