

DROM NS

MATHS WEEK 10TH - 18TH OCTOBER



NAME: _____

CLASS: _____

Dear Parent(s) / Guardian(s),

Maths Week takes place this year from the 10th October 2020 to 18th October 2020. During Maths Week we take a closer look at math and try to show the children how math is in everything that we do from the moment we get up to the moment we go to sleep e.g. shopping, going on a journey, setting the alarm clock etc. We also try to show the children that math can be great fun and so have planned a number of activities during the week to help the children to engage more with math including Math games and Math trails.

Parent(s) / Guardian(s) can also help by using math in everyday activities. How about asking the children to calculate how much two items cost in the shop? When going on a journey, children could calculate the distance? What shapes can be seen in your home? There are many examples of math in our everyday life.

To get our school community thinking mathematically we are sending home a book of math puzzles for both junior and senior students and their parents. There is one puzzle to be solved each night. We hope that parents and students will have a great time working out these puzzles together. Both booklets will be published on www.dromns.com. If you feel that your child would benefit more from either the Junior or Senior Booklet, please feel free to download them and enter. Alternatively, please request a copy from the office.

So what do you have to do?

1. Each night try to solve the math brainteaser.
2. On Monday, 19th October 2020, return the puzzle book with the answers to the school.
3. Each child who gets all 5 questions right will be entered into a draw for a prize. The draw will take place on 23rd October 2020 at 11a.m. and the winners from each classroom will be announced by text.

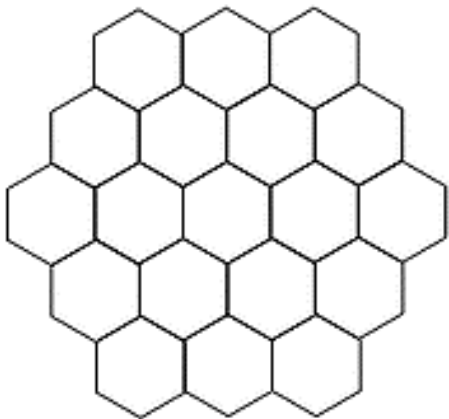
GOOD LUCK TO ALL

MONDAY



Arrange the numbers 1-19 in the grid below so that each row, column and diagonal adds to 38. You can only use each number once and every number must be used.

Answer:





TUESDAY

Space mission

A rocket blasts off from Earth heading for Mars, getting faster as it travels. In fact, the rocket's speed doubles every week that it's in space. If the rocket lands on Mars in week 12, in which week was it halfway there?

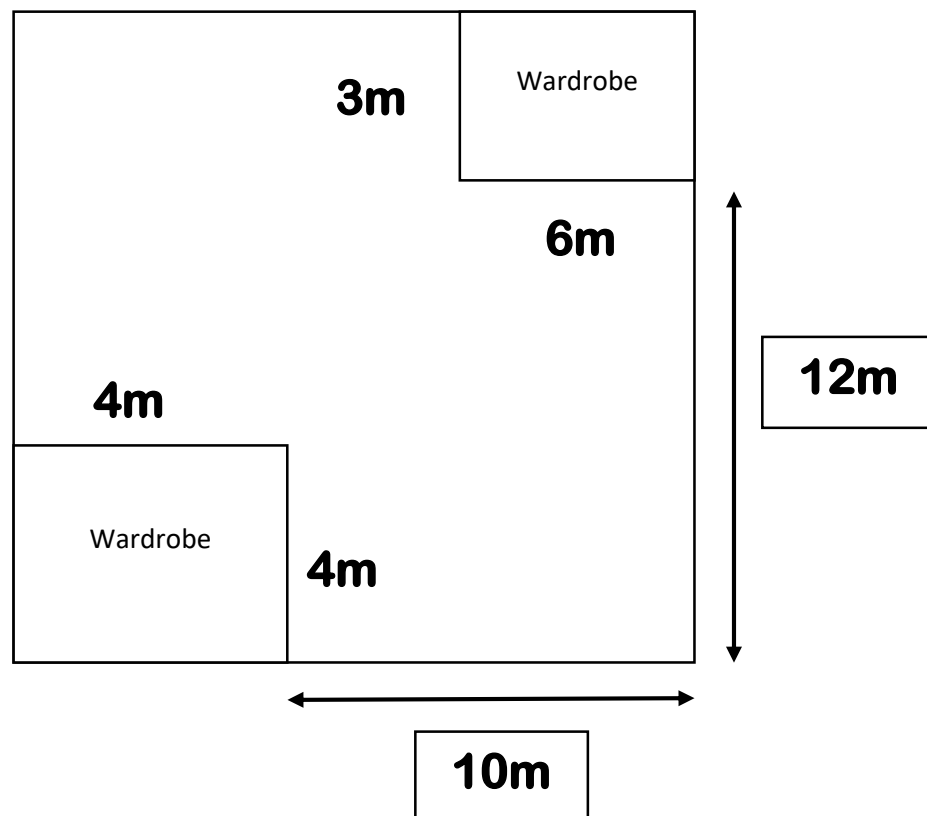


Answer: Week 11.

WEDNESDAY



More for the Floor



Nuala is selecting floor tiles for her room in her family's new house. No tiles will be put down in the closets. Each tile is 1 m square and costs 60c. All the intersecting sides of the tiles meet at right angles.

How much will the tiles cost if there are no tiles left over? **Answer: €105.60**



THURSDAY

Haphazard Heights

Students' Heights

1 metre 19 centimetres
117 centimetres
1 metre 42 centimetres
122 centimetres
1 metre 27 centimetres
132 centimetres

Drew, Erin, Jamal, Kendra, Parker, and Sandy have lined up according to height so they can be placed on-stage for the spring concert. The shortest person is at the front of the line.

- Drew is behind Kendra.
- Erin is right behind Parker.
- Jamal is between Parker and Drew.
- Sandy is two centimetres shorter than Kendra.
- Kendra is second in line.

What is each person's height in metres and centimetres.
In what order are they standing in line?

Order of students from shortest to tallest

Answer:

Student	Height
Sandy	117 cm or 1m 17cm
Kendra	1m 19cm or 119cm
Drew	122cm or 1m 22cm
Jamal	1m 27cm or 127cm
Parker	132cm or 1m 32cm
Erin	1m 42cm or 142cm

FRIDAY



Here are the lists of first names of the members of Class 5.

One day when 34 children were in class, Mrs Clifton, their teacher, said they were going to make some block graphs using their first names. She put the class lists onto the white board.

First, the class made tally charts of the initial letters of their names. They worked in pairs.

The first part of Becky and Selma's tally looked like this:

Girls in Class 5

Hetty
Annie
Tessa
Debbie
Willow
Jess
Abby
Sindy
Penny
Bel
Sara
Pippa
Selma
Becky
Mel
Pauline
Netty

Boys in Class 5

David
Nelson
Ali
Jake
Harry P
William
Ben
Tom
Dai
Arlo
Andrew
Harry W
Tim
Joe
Alan
James
Jeff
Mohammed

Tally

A + + + + +

B | | |

C

D | | |

E

Next they all made frequency tables using this information.

This is the first part of Alan and Joe's table:

Frequency table

A - 6

J - 5

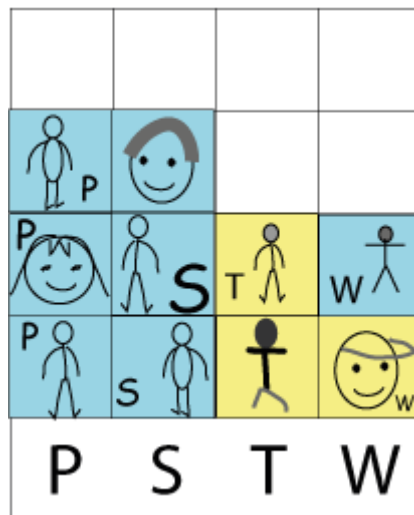
B - 3

H - 3

D - 3

Next they decided which letters of the alphabet were needed and which were not needed to make a pictogram of their class names. Then the boys took yellow squares and the girls took pale blue squares, drew a picture of themselves and put the initial of their first name on the square and stuck it onto paper to make a pictogram graph.

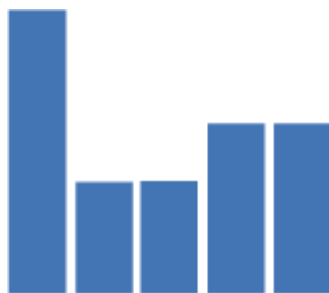
The last part of the class's graph looked like this:



Can you see who was away from school that day from this information? **Answer: Tessa**

Next they made a bar graph from the class lists to include anyone who was away that day.

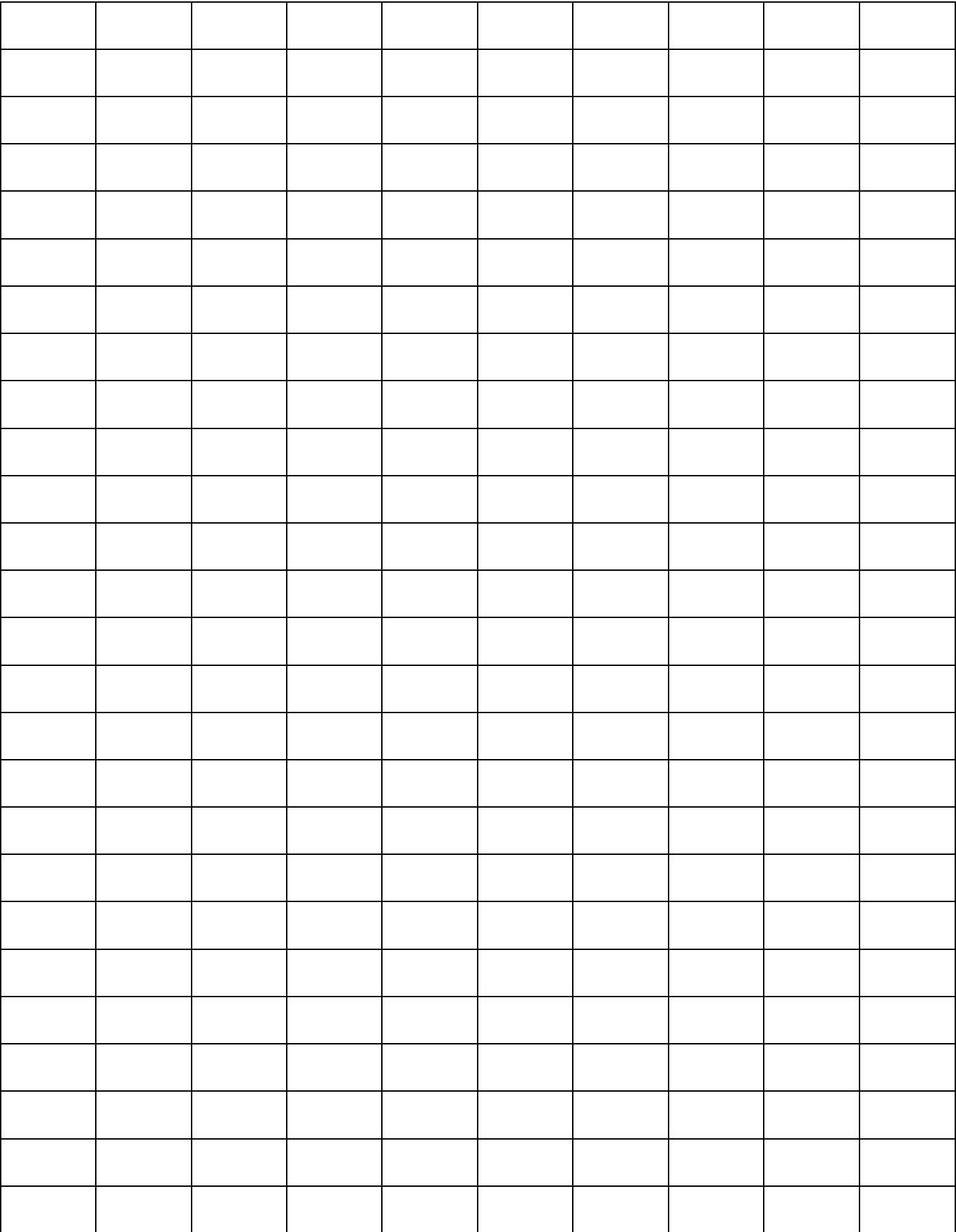
This is part of the middle of the block graph:



Can you tell what letters these were? Label each block.

Answer: JMNPS

ROUGH WORK PAGE



MANGAHIGH NINJA CHALLENGE



This year as part of Maths Week we are taking part in the online Ninja Challenge Competition on www.mangahigh.com.

HOW DOES THE NINJA CHALLENGE COMPETITION WORK?

All students will be assigned individual login details and will have full access to engaging maths lessons all day, every day. Students are encouraged to work through the lessons at home – providing a great opportunity to see the impact digital games-based learning can have on students, while also dramatically raising the profile of maths at school.

Students earn medal points by completing curriculum-aligned games and adaptive quizzes on Mangahigh. All points accumulate towards the school's running total which places the school on the Ninja Maths Competition Leaderboard.

YOUR CHILD CAN COMPLETE ACTIVITIES RECOMMENDED FOR THEM BY MANGAHIGH.COM ...

There will be a list of activities generated by the online computer system for your child to complete, based on their age, and performance on various topics. You can find these under the **RECOMMENDED SECTION** on the **STUDENTS PAGE**

... OR THEY CAN COMPLETE THE ACTIVITY SET FOR THEM BY THEIR CLASS TEACHER!

During the period of the challenge, 10th – 18th October, your child's teacher will also assign a daily activity on www.mangahigh.com for your child to complete should they wish to do so.

INDIVIDUAL STUDENTS PRIZE

The **GOAL** for students is to earn as many medal points by completing lessons to achieve either a Bronze standard, Silver standard or Gold standard. Every Bronze standard achieved collects 1 medal point, a Silver standard achieved is worth 2 medal points, and a Gold standard achieved adds 3 medal points. Every student earning 150+ new medal points during the competition will win a real Mangahigh medal which will be sent their school in the post following the competition.