

Maths



1. **Maths Games** - Challenge someone in your bubble to play one of these maths games.
2. **Nesting Numbers** - Show us your knowledge of how many tens and tenths are in the chosen numbers!
3. **Word Problems** - Complete the word problems by first figuring out what operation to use, recording the number problem and then solving!
4. **Fractions, Decimals and Percentages** - Your task is to explore the relationship between fractions, decimals and percentages. Then, Mr Jackson needs your help to design a veggie garden with VERY specific instructions!

Maths Games

Guess My Number

You will need: 2 or more players and something to write with

1. Player 1: Write down (and keep hidden) a large number (you may want to go up to the millions) E.g: **3,756,140**
 2. The rest of the group is to take turns trying to “guess your number” by saying a number aloud
 3. Player 1 is to write each number down and mark each digit with a tick (✓), cross (✗), or circle (o)
- ✓ = Correct digit and in the correct place
✗ = Digit does not appear in your secret number
o = Digit appears in your number but in the incorrect place.

E.g: **3,756,140**

Someone guesses:

4,765,180 you'd

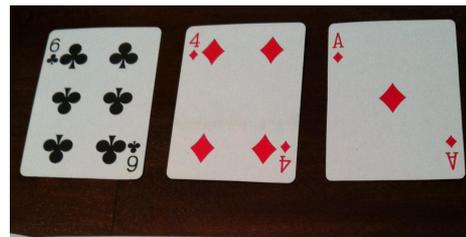
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Keep guessing until someone finally guesses your secret number!

Beat the Adult

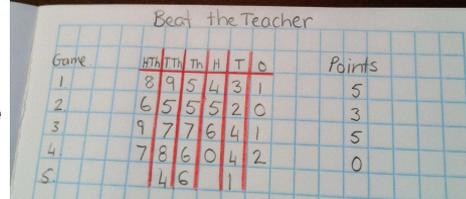
You will need: 2 or more players, deck of cards, paper, pen

Students draw up a playing grid like the one pictured (draw up to the millions). Take out all of the picture cards & shuffle the cards.



The adult then flips over one card at a time & calls it out.

10's are a '0'. Students write the number called out in one of the columns. They need to decide where the best place



Game	Th	H	T	o	Points		
1	8	9	5	4	3	1	5
2	6	5	5	2	0		3
3	9	7	6	4	1		5
4	7	8	6	0	4	2	0
5		4	6	1			

it should go. The adult will also do the same but without letting the students see. The adult will continue drawing cards until all of the columns are filled out. Call out final numbers. If the student has a higher number than the adult they receive 5 points. If it is the same, 3 points. If it is less, 0 points. You can play as many rounds as you would like.

Nesting Numbers

How many **tens** are there in each of the following numbers?

1. 987

2. 363

3. 303

4. 202

5. 240

6. 631

7. 894

8. 735

How many **tenths** are there in each of the following numbers?

1. 4.20

2. 4.02

3. 12.1

4. 5.0

5. 6.32

6. 9.08

7. 2.2

8. 16.04

Use your place value knowledge to make a number that has the following...

25 tens

3 tenths

43 tens

1 hundreds

2 thousands

23 tenths

5 hundreds

3 ones

EG. A number with 5 hundreds in it could be: 556 554 or 555

+ — Word Problems! × ÷

For the following problems, you need to first pull out the number equation and then try and solve!

1. There are 26 students in room 7 and they each bought 8 pencils. How many pencils did they buy altogether?
2. A restaurant sold 42 hamburgers last week. On average, how many hamburgers were sold each day?
3. There were a total of 18 football games during the three month season. If the same amount of games were played each month, how many games were played in one month?
4. MENPS has 347 girls and 355 boys. How many students do they have altogether?
5. The sunflower in Miss Fordham's garden was 85cm tall on Friday. By Monday, it had grown another 17cm. How tall was the sunflower on Monday?
6. If you had 74 jellybeans and ate 39 of them, how many jellybeans would you have left?
7. A sheep weighs 95kg and a cow weighs 587 kg. How much heavier is the cow?
8. Lisa sleeps for 10 hours a day. How much does she sleep in a week? In a year?
9. Miss Edgecombe put a bundle of 35 books on the children's tables. How many books would each student get if there were 6 students at each table? How many books would be left over?
10. A car can hold 5 people. How many people can 7 cars hold? How many people can 12 cars hold?

Bringing Fractions to life!

What would the following fractions look like if you drew them? Can you use what you have around the house to show them? Snap a picture of your fraction creation and share it with your teacher!

$$\frac{1}{2}$$

$$\frac{3}{4}$$

$$\frac{1}{5}$$

$$\frac{2}{4}$$

$$\frac{2}{6}$$

$$\frac{3}{7}$$

1

$$2\frac{1}{2}$$

$$\frac{1}{8}$$

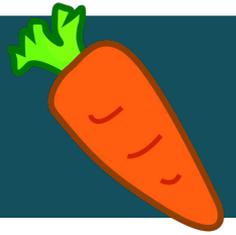
$$3\frac{2}{4}$$

$$2\frac{3}{7}$$

Copy and complete this table!

Fraction	Decimal	Percentage
$\frac{1}{4}$	0.25	
$\frac{1}{10}$		10%
		50%
	0.2	
$\frac{3}{4}$		
		80%
		250%

The Veggie Garden



Mr Jackson is thinking about putting in a veggie garden at school. However, he has some very specific guidelines for the veggie garden design.

Can you design a veggie garden that meets all of Mr Jackson's requests?

1. The veggie garden must be 20m^2
2. Only 10% of the garden will be vine plants
3. $\frac{1}{4}$ of the garden must be herbs
4. There is a garden bench that must be no more than 1.5m long and 0.5m wide
5. $\frac{3}{10}$ of the garden must be root vegetables
6. 10% of the garden should be succulents
7. What you put in the rest of the garden is up to you!

Draw your accurate vegetable garden design!

ALL IN GOOD TIME



Use an analog clock or a stopwatch to complete the following tasks.

How many sit ups can you do in one minute?

How many star jumps can you do in one minute?

How many squats can you do in one minute?

How many push ups can you do in one minute?

ALL IN GOOD TIME

Publishing your data



Using the data you collected across your class, graph the information and write an analysis.

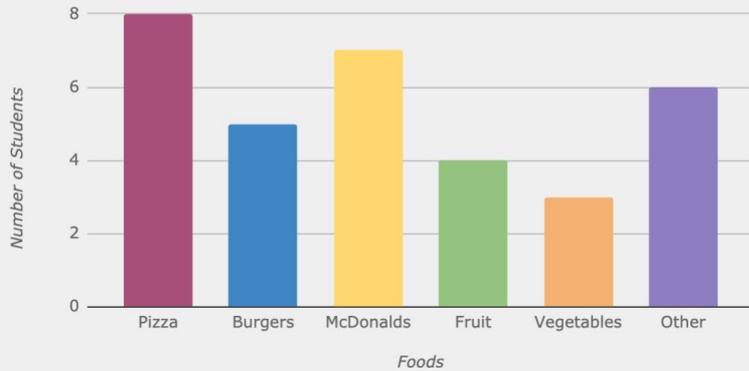
You can choose to hand draw your graphs, or use Google Sheets (please see [“Google sheets graphing instructions”](#)).

Check out some examples of graphs on the next slide for inspiration!

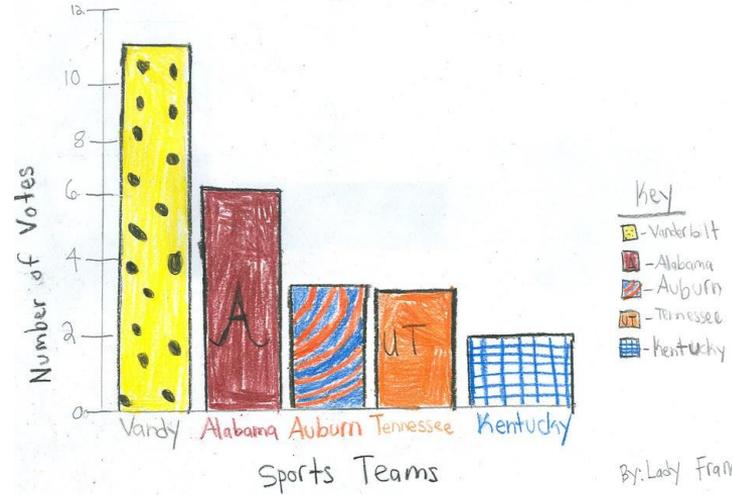
Make sure you're making suitable comments in your analysis (go to “How do you write a great analysis” to help write yours).

Our Classrooms' Favourite Food

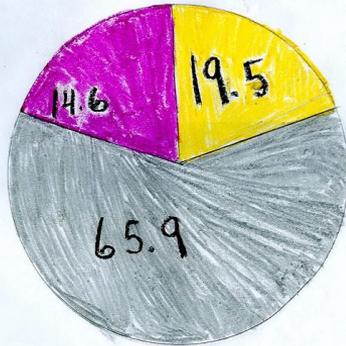
A statistical investigation of Room 5's favourite food



Favorite Sports Teams of 5th grade girls



Do 41 Fifth Graders Love, Think he is ok, or strongly dislike Justin Bieber

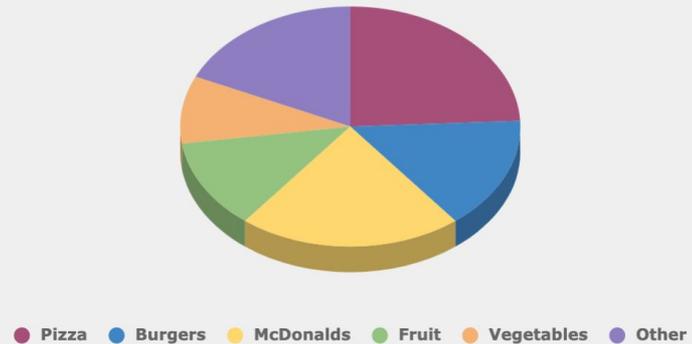


Key

- Love (Purple)
- Think he is ok (Yellow)
- Strongly dislike (Grey)

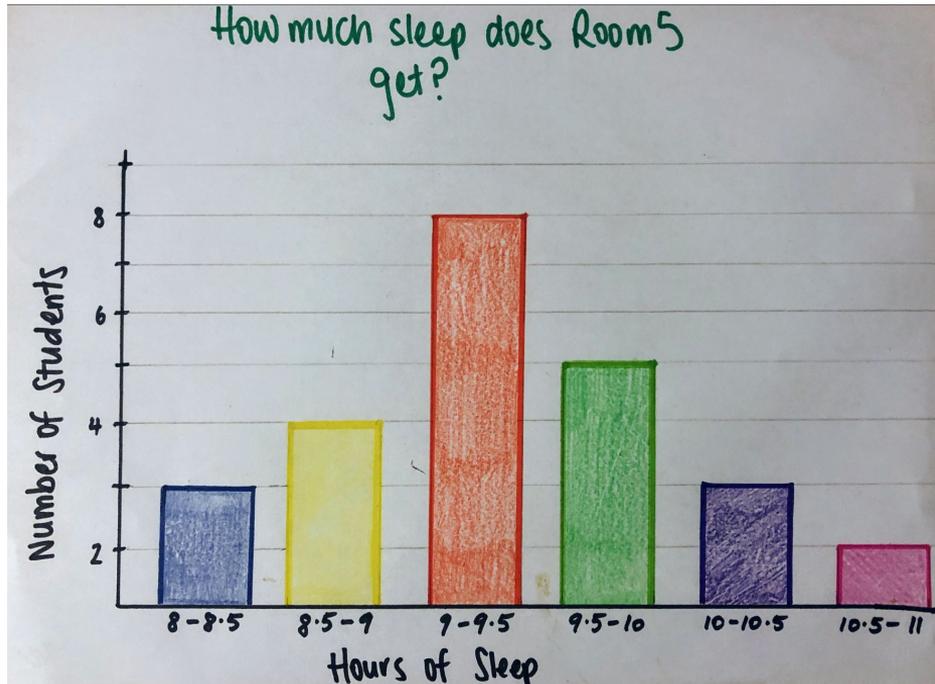
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How do you write a great analysis?

To write an informative analysis, you need to look at the results of your graph and make comments on the data. What do you notice? What trends do you see? Look at the example below to help you!



By analysing the data, I notice that:

- Most students in Room 5 get between 9 and 9.5 hours of sleep
- The same amount of students get between 8-8.5 and 10-10.5 hours of sleep (3 students each)
- The least amount of students get between 10.5 and 11 hours of sleep
- There are double the amount of students who get 8.5-9 hours of sleep than students who get 10.5-11 hours of sleep
- There are a total of 25 students in Room 5