

Prob & Stats - HW AUG/Sept 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7	8	9	10 Red	11 Welcome to STATS! Introduction/Syllabus HW 1: ACT Practice	12 Red	13
14	15 Introduction WS GC: Topics for Math?	16 Red	17 HW 2: Order of Operations WS HW 3: Intro Video	18 Red	19	20
21	22 Red	23 HW 4: Paulos w/ 8 questions Practice Quiz	24 Red	25 QUIZ 1 Intro Stats Concepts HW 5: ACT Practice	26 Red	27
28	29 Reading Statistics HW 6: ACT Practice Extra Credit	30 Red Open House	31 HW 7: Review WS	1 Red SEPTEMBER Crimson Hour Sched	2	3
4	5 Labor Day NO School	6 Red	7	8 Red	9 Test #1 review Review Day HW 7: Review WS	10
11	12 Labor Day NO School	13 Red	14 Test #1 All covered Topics HW Ck: ALL HW Due!	15 Red	16	17

Warm- UP

How to *succeed* in Mr. L's class...

- What is an **advocate**?

Someone who supports you and tries to help you succeed

- What is an *adversary*?

A rival; Someone who works against you and gets in the way

- What is math?

How to succeed in Mr. L's class

- I am here to be your **ADVOCATE**, please don't treat me as an *adversary*!
- When you take the time, and make the effort, **MATH** can help you succeed, so try to avoid thinking of math as your *adversary* as well.
- **Be your own BEST** advocate! Ask for help when you need it.

Course Website

 <http://chrislowber1.wixsite.com/dumath>

Points of Interest

- Monthly Calendar
- Notes, handouts, links
- ACT/EOC Prep
- Resources



The screenshot shows the homepage of the 'du Math' website. At the top, there are two logos: 'du Math' with a girl's face icon and 'du Fun' with a boy's face icon. Below the logos is a navigation bar with buttons for 'HOME', 'P Stats', 'Honors Algebra 2', 'ACT/EOC Prep', 'Class Protocols', 'RESOURCES', and 'More'. The 'ACT/EOC Prep' button is circled in blue. Below the navigation bar, there is a 'Welcome Back to School' graphic with a pencil and a '2020-21 School Calendar' button, which is also circled in blue. To the right of the calendar is a line graph titled 'Who's ahead in the national polls?' showing the average of 2020 presidential general election polls. The graph shows Biden at 49.9% and Trump at 42.1% from March 2020 to August 2020. At the bottom right, there is a red box with text: 'After School HELP: In Rm 232-A Wed & Thurs 2:30 to 3:30 pm' and 'THE SOLUTION TO YOUR Mathematical dilemmas!'.

du Math **du Fun**

HOME P Stats Honors Algebra 2 **ACT/EOC Prep** Class Protocols RESOURCES More

Welcome Back to School

2020-21 School Calendar

ALG 2 HW CALENDAR

Check out Desmos

Who's ahead in the national polls?
An updating average of 2020 presidential general election polls, accounting for each poll's quality, sample size and recency.

70%
60%
50%
40%
30%

MAR 2020 APRIL MAY JUNE JULY AUG.

ANG. 7 LEADER
Biden 49.9%
Trump 42.1%

After School HELP: THE SOLUTION TO YOUR
In Rm 232-A Mathematical dilemmas!
Wed & Thurs 2:30 to 3:30 pm

WHAT is mathematics?

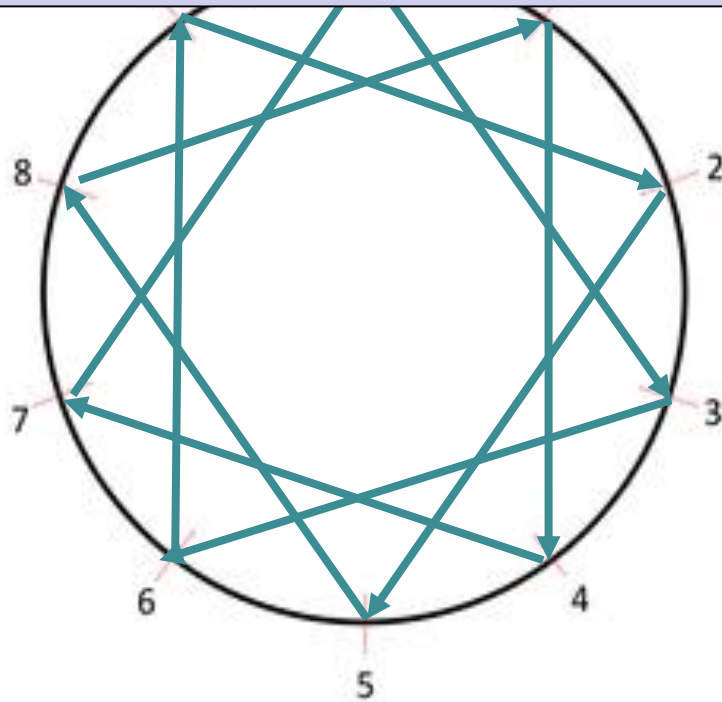
- A way of counting
- Recognizing and measuring shapes
- Looking at and organizing data
- It is a language (with it's own symbols and notations!)
- The application of logic
- A method for finding a making sense of patterns

Math is Pattern Recognition

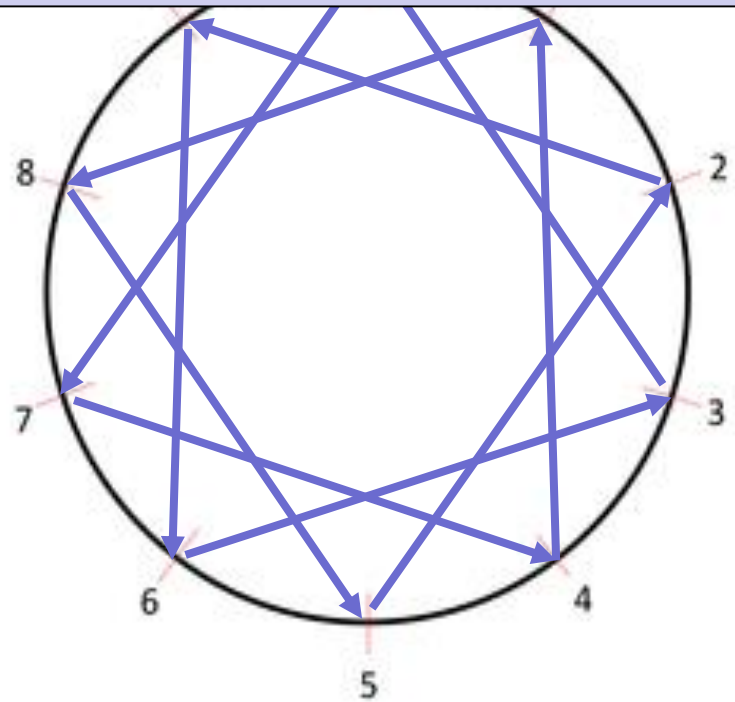
Do you know your multiples?

3s: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30

70, 63, 56, 49, 42, 35, 28, 21, 14, 7 ← **7s**



Multiples for 3s



Multiples for 7s

Rules for Order of Operations

- P.E.M.D.A.S.
- Parentheses
- Exponents
- Multiplication
- Division
- Addition
- Subtraction

G.E.M.A.

- **G**rouping symbols
 $(x - 2), \sqrt{x - 2}, |x - 2|$
- **E**xponents
 $3x^2, (2xy)^3, \left(\frac{3}{x}\right)^{-1}$
- **M**ult. (& Div: $L \rightarrow Rt$)
- **A**dd. (& Sub: $L \rightarrow Rt$)

HW #1: Chap. 1 (p. 9) #17-51 Odd)

From page 9

Practice and Apply

Homework Help

For Exercises	See Examples
16-37	1, 3
38-50	2, 3
51-54	4

Extra Practice

See page 828.

Find the value of each expression.

16. $18 + 6 \div 3$

18. $3(8 + 3) - 4$

20. $2(6^2 - 9)$

22. $2 + 8(5) \div 2 - 3$

24. $[38 - (8 - 3)] \div 3$

26. $1 - \{30 \div [7 + 3(-4)]\}$

28. $\frac{1}{3}(4 - 7^2)$

30. $\frac{16(9 - 22)}{4}$

32. $0.3(1.5 + 24) \div 0.5$

34. $\frac{1}{5} - \frac{20(81 \div 9)}{25}$

17. $7 - 20 \div 5$

19. $(6 + 7)2 - 1$

21. $-2(3^2 + 8)$

23. $4 + 64 \div (8 \times 4) \div 2$

25. $10 - [5 + 9(4)]$

27. $12 + \{10 \div [11 - 3(2)]\}$

29. $\frac{1}{2}[9 + 5(-3)]$

31. $\frac{45(4 + 32)}{10}$

33. $1.6(0.7 + 3.3) \div 2.5$

35. $\frac{12(52 \div 2^2)}{6} - \frac{2}{3}$

More About...



Order of Operations: **G.E.M.A.**

1) $32 \div 2 \cdot 4 \rightarrow$ *PEMDAS* $32 \div 2 \cdot 4 \rightarrow 32 \cdot 8$

2) $32 \div |2 \cdot -4|$ \rightarrow *GEMA* $32 \div 2 \cdot 4$

$32 \div |-8| = 32 \div 8 = 4$ $16 \cdot 4 = 64 \text{ 😊}$

3) $32 - 2 + 4 \cdot 4 = 32 - 2 + 16$
 $= 30 + 16 = 46$

Form HW page

24. $[38 - (8 - 3)] \div 3$

26. $1 - \{30 \div [7 + 3(-4)]\}$

Order of Operations: **G.E.M.A.**

$$1) \quad 29 + 16 \div 8 \cdot 25$$

$$29 + 16 \div 8 \cdot 25$$

$$29 + 2 \cdot 25$$

$$29 + 50 = 79$$

Complete ALL problems from **HW #2** –
Order of operations WS

Steps to Problem Solving

- **STEP 1: UNDERSTAND THE PROBLEM**
- **STEP 2: DEVISE A PLAN**
- **STEP 3: CARRY OUT THE PLAN**
- **STEP 4: LOOK BACK & CHECK**