

July 20, 2015
Exam #2 Review

$$\frac{104}{104} = 100$$

$$\frac{73}{104} = 0.7019$$

≈ 71

Jul 20-11:04 AM

#8) $(-47) - (+32) = (-47) - 32$
 $(-47) + (-32)$

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#7) $\frac{3}{5}, \frac{6}{9}$

* $2P2 = \frac{a}{b} \cdot \frac{c}{c} = \frac{ac}{bc} = \frac{a}{b}$

$$\frac{3}{5} \cdot \frac{9}{9} = \frac{27}{45}$$

$$\frac{6}{9} \cdot \frac{5}{5} = \frac{30}{45}$$

$\left. \begin{array}{l} \frac{27}{45} < \frac{30}{45} \end{array} \right\}$

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#9)

$$\frac{99}{156} = \frac{3 \cdot 3 \cdot 11}{2 \cdot 2 \cdot 3 \cdot 13} = \frac{3 \cdot 11}{4 \cdot 13} = \frac{33}{52}$$

$$\frac{33}{52} \cdot \frac{3}{3} = \frac{99}{156}$$

Equivalent Fractions

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#12)

$$\left(\frac{1}{3} + \frac{4}{12}\right) + \frac{5}{6}$$

$$\left(\frac{4+4}{12}\right) + \frac{5}{6}$$

$$\frac{1}{3} \cdot \frac{4}{4} = \frac{4}{12}$$

$$\frac{8}{12} + \frac{5}{6} = \frac{8+10}{12} = \frac{18}{12}$$

$$\frac{8}{12} \cdot \frac{1}{1} = \frac{8}{12} = \frac{18}{12} = \frac{6}{4} \cdot \frac{3}{3} = \frac{18}{12} = \frac{3}{2}$$

$$\frac{5}{6} \cdot \frac{2}{2} = \frac{10}{12}$$

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#13)

$$\frac{10}{3} = 3 \overline{) 10}$$

$1 \leftarrow \text{remainder}$

$$= 3 \frac{1}{3}$$

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#17) $\sqrt{72} = \sqrt{36 \cdot 2}$
 $= \sqrt{36} \cdot \sqrt{2}$
 $= \boxed{6\sqrt{2}}$

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#24) $A = \{0\}$
 $n(A) = 1$

Subsets

Size	# of sets	
0	1	\emptyset
1	1	$\{0\}$

2 Subsets

$2^n = \text{Cardinal number}$
 $2^1 = 2 = \boxed{2}$

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#26)

Dist $3x + (12 + 5x) = 10x - 10$
 Assoc. $3x + (12 + 5x) = 10x - 10$
 Comm. $3x + (5x + 12) = 10x - 10$
 Assoc. $(3x + 5x) + 12 = 10x - 10$

$$\begin{array}{r} 8x + 12 = 10x - 10 \\ -8x \quad +10 \quad -8x \quad +10 \\ \hline 0 + 22 = 2x + 0 \\ \frac{22}{2} = \frac{2x}{2} \\ 11 = x \end{array}$$

A. J.
 M. J.

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Exam #3 - Next Monday

- Chp 14
- Exams #1 & 2

Final Exam = Wednesday

11:00 - 1:00
 Exams #1, #2, #3

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Rating TV Program

	Frequency	Relative Frequency
1 = E	4	$4/25 = 0.16 = 16\%$
2 = A	7	$7/25 = 0.28 = 28\%$
3 = V	8	$8/25 = 0.32 = 32\%$
4 = B	4	$4/25 = 0.16 = 16\%$
5 = P	2	$2/25 = 0.08 = 8\%$

$\frac{25}{25} \rightarrow \frac{25}{25} = 100 = 100\%$

$n = \text{number of Data Points}$
 $n = 25$

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Def: ① a Discrete Variable

"Pie" Graphs is where we have "whole" values, i.e. no fractional values.

② Continuous Variable

"Histogram" where we have fractional values.

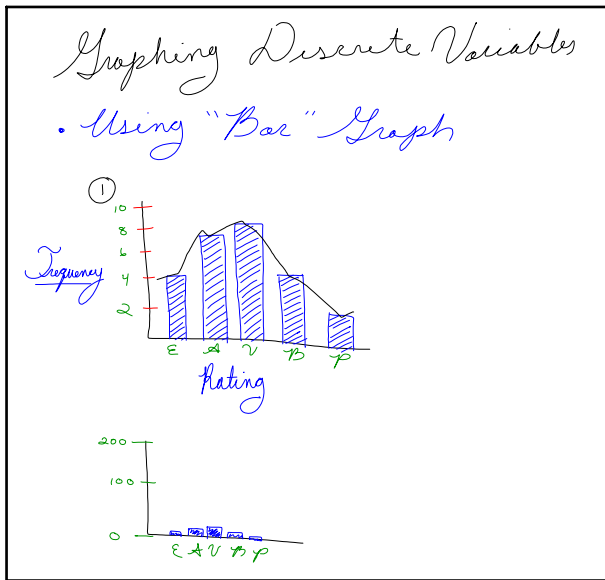
Think of "Measurements"

W

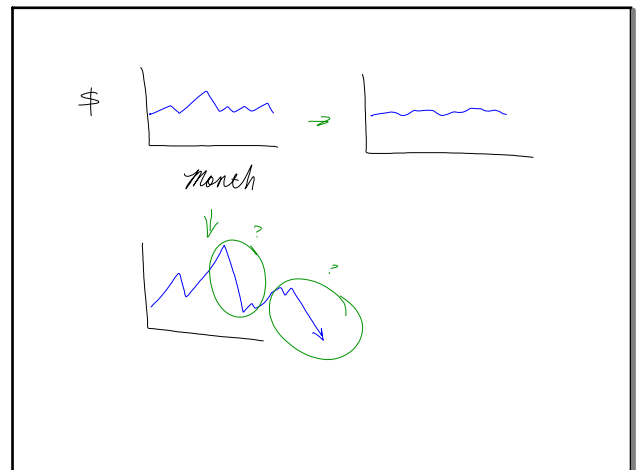
90 250

97.75
 106.33

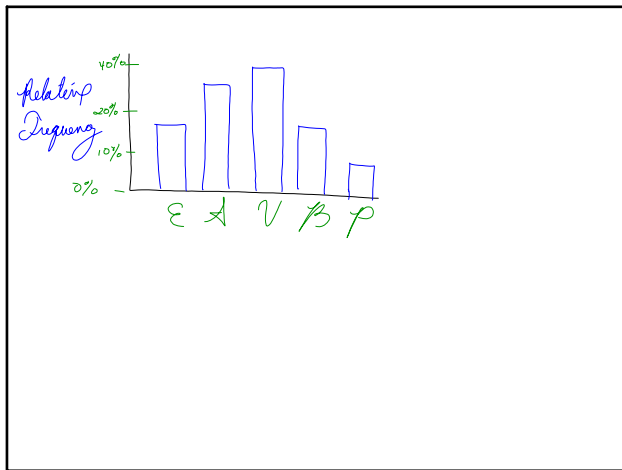
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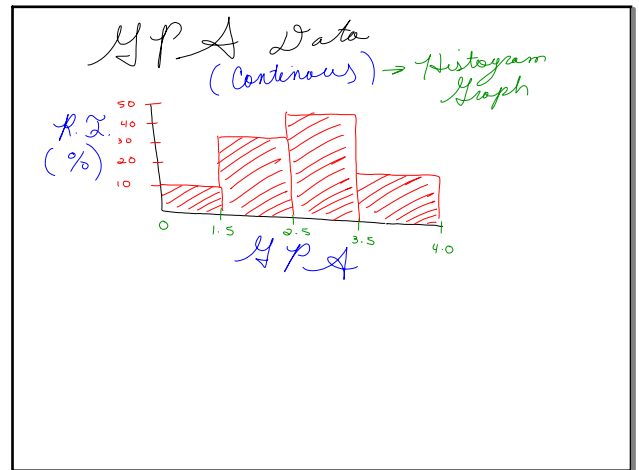
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Jul 20-12:16 PM



Jul 20-12:20 PM



Jul 20-12:24 PM

14.1
1, 3, 7, 9, 11, 14, 25-29

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