

5/23/18 CCM6 CCM6+

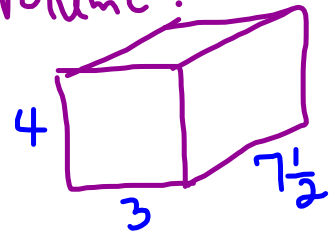
Statistics and Probability review.

HW: Statistics Take Home QUIZ

Review of 6th Grade concepts

① $1\frac{2}{3} \div \frac{1}{2}$

④ Volume?
*Calc!



② Simplify: $\left(\frac{1}{7}\right)^3$

③ *Calc! Unit price? 8 bananas for \$1.84

Review of 6th Grade concepts

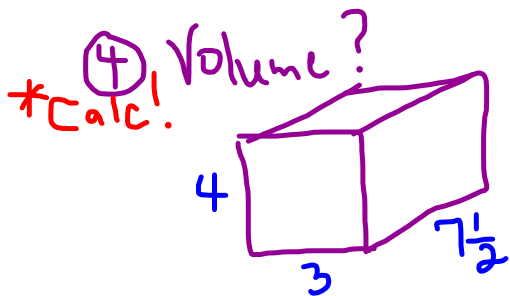
① $1\frac{2}{3} \div \frac{1}{2}$
 $\frac{5}{3} \cdot \frac{2}{1} = \frac{10}{3} = 3\frac{1}{3}$

② Simplify: $(\frac{1}{7})^3$ A $\frac{1}{7}$ B $\frac{3}{7}$ C $\frac{3}{343}$ D $\frac{1}{343}$
 $\frac{1}{7} \cdot \frac{1}{7} \cdot \frac{1}{7} = \frac{1}{343}$

$\begin{array}{r} 6 \\ 49 \\ \times 7 \\ \hline 343 \end{array}$

③ *Calc! Unit price? 8 bananas for \$1.84

$$1.84 \div 8 = \$0.23$$



$$4 \times 3 \times 7\frac{1}{2} = 90$$

Percents QUIZ back...questions?

8

$$\frac{15}{100} \xrightarrow{\div 2.5} \frac{6}{40}$$

6 wrong

34 right

D.

9

| | | | | | |
|------|--|--|--|--|----------|
| | | | | | Not tile |
| Tile | | | | | |

~~$\frac{17}{20} = .65$~~ $\frac{7}{20} = .35$

3

182w
98s

part to whole

$$\frac{98}{280} = \frac{P}{100} \quad D.$$

5

85% A $\frac{17}{20} = .85 \checkmark$

10

$$\frac{56}{100} \xrightarrow{\div 4} \frac{14}{25}$$

DATA AND STATISTICS
CHEAT SHEET - B

Name _____
Date _____ Pd _____

STATISTICS VOCABULARY

MEAN: every # same \rightarrow 1. + 2. \div

MEDIAN: middle
1st put in order

~~MODE:~~ _____

RANGE (SPREAD): biggest - smallest
(how spread out)

SHAPE: symmetrical / balanced Skewed not balanced

SYMMETRICAL DATA: _____

skewed

HISTOGRAM: a graph that is used when huge range

DISPLAYS THE FREQUENCY OF CONTINUOUS DATA

EX: _____

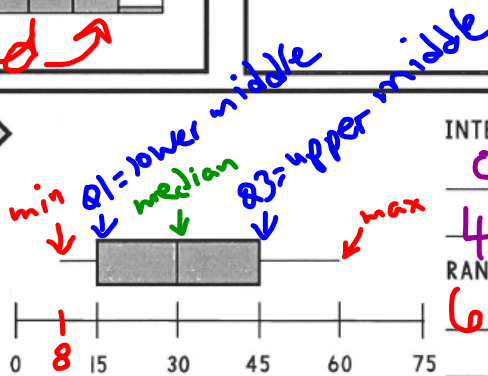
ADULT SOCCER LEAGUE AGES

median interval

histogram

BOX PLOTS

BOX PLOTS are used to compare the spread and middles in a set of data.

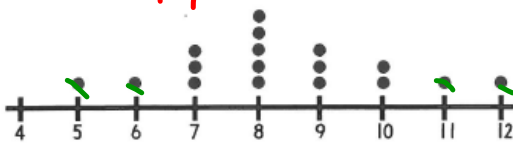


INTERQUARTILE RANGE:
 $Q3 - Q1$ (top box - bottom box)
 $45 - 15 = 30$

RANGE:
 $60 - 8 = 52$

range = $12 - 5 = 7$
mean = $\frac{142}{17} = 8.4$

MEDIAN: the middle value
(numbers are already ordered in a dot plot)
median = 8



symmetrical

DOT PLOTS

DOT PLOTS are used to display the spread along an axis.

Complete the Statistics review in your small group.

When finished, work on the take-home QUIZ.

3:
change

A. Data is skewed.
B. Data is symmetrical.
~~C.~~