

# 1.6 - 1.10 Quiz Review - College Math

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

1.6

① Divide

a)  $28 \overline{)2296}$

b)  $16 \overline{)1024}$

c)  $61 \overline{)8784}$  d)  $\frac{2697}{93}$

e)  $23 \overline{)4791}$

f)  $39 \overline{)15,933}$

g)  $505,000 \div 1000$

② Correct work if necessary. Check w/ multiplication

a) 
$$\begin{array}{r} 38 \\ 16 \overline{)608} \\ -48 \downarrow \\ \hline 120 \\ -128 \\ \hline 0 \end{array}$$

b) 
$$\begin{array}{r} 42 \text{ R}178 \\ 426 \overline{)19170} \\ -1704 \downarrow \\ \hline 1130 \\ -952 \\ \hline 178 \end{array}$$

1.7

③ Name the place values

— — — — — , — — — — — , — — — — —

④ Explain front end rounding.

⑤ Round to nearest ten

- a) 62      b) 94      c) 134      d) 7543

⑥ Round to nearest thousand

- a) 3683      b) 6502      c) 84621      d) 55960

⑦ Use front end rounding to estimate an answer.

a)

$$\begin{array}{r} 36 \\ 3852 \\ 749 \\ + 5474 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 648 \\ \times 67 \\ \hline \end{array}$$

1.8

⑧ Identify the base, exponent and simplify

a)  $2^6$

b)  $3^4$

c)  $8^3$

⑨ Find each square root

a)  $\sqrt{225}$

b)  $\sqrt{196}$

c)  $\sqrt{121}$

d)  $\sqrt{400}$

⑩ Simplify

a)  $20 \div 2 + (7 - 5)$

b)  $2^3 + 3^2 - (5 \cdot 3)$

c)  $8 \cdot \sqrt{49} - 6(5 + 3)$

1.9 Consider this bar graph

⑪

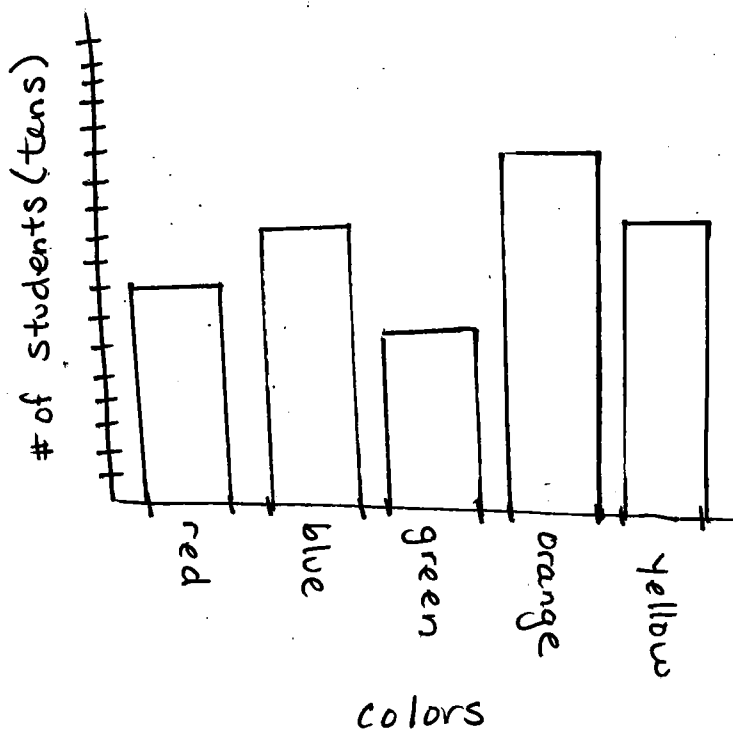
a) How many students were surveyed?

b) Which colors tied?

c) How many more students choose orange than green?

d) How many total students like red and green?

Favorite Colors

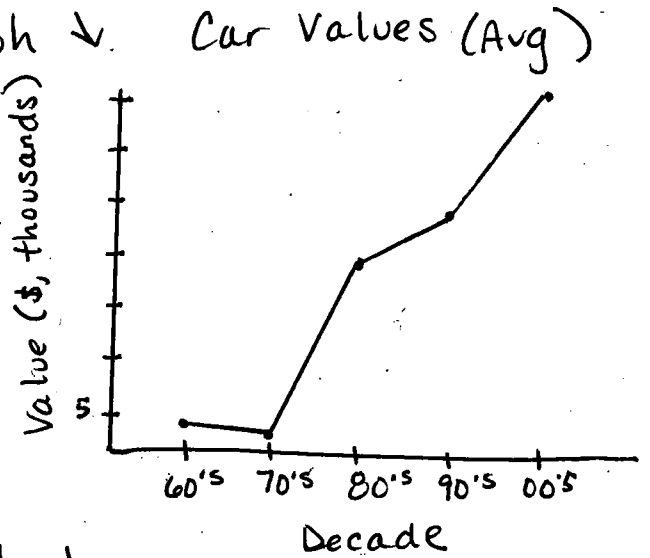


⑫ Consider this line graph ↓ Car Values (Avg)

a) What is the trend/pattern?

b) About how much more did a car cost in the 90's than 70's

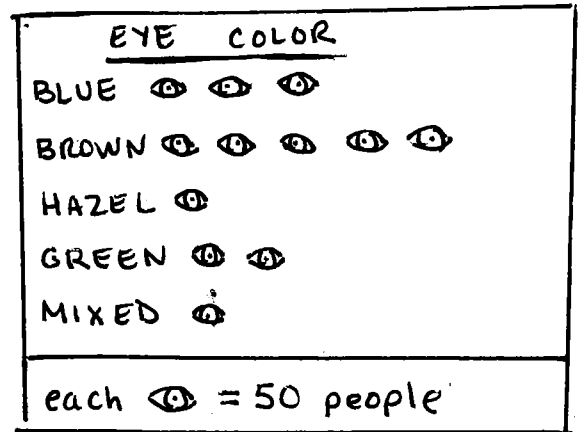
c) Which decade(s) did the value decrease?



⑬ Consider this pictograph ↓

a) Which eye color is most popular? Why do you think?

b) How many people have blue or green eyes?



1.10

⑭ The AMVC had \$14863 in their account. After writing a check for \$1180 to rent a hall, what remains?

⑮ An Internet book company had sales of 12,628 books with a profit of \$6 each book sold. If 863 books are returned, how much profit remains?