

Warm-Up

a) Find the value

b) Add ¹parentheses or more
to get the value to be -2

$$\left[\sqrt{81} - (6 + 2^2) \right] \cdot (7 - 1) \div 3$$

$$(\sqrt{81} - 10) \cdot (7 - 1) \div 3$$

$$(9 - 10) \cdot (7 - 1) \div 3$$

$$(-1) \cdot (6) \div 3$$

$$-6 \div 3 = \textcircled{-2}$$

Questions?

79
85

$$89) 5 \cdot \sqrt{36} \cdot \sqrt{100} \div 4 \cdot \sqrt{9} + 8$$

$$\underbrace{5 \cdot 6 \cdot 10} \div 4 \cdot 3 + 8$$

$$\underbrace{30 \cdot 10} \div 4 \cdot 3 + 8$$

$$\underbrace{300} \div 4 \cdot 3 + 8$$

$$\underbrace{75} \cdot 3 + 8$$

$$225 + 8$$

$$\boxed{233}$$

49)

$$7 + 8 \div 4 + \frac{0}{7}$$

$$7 + \underbrace{8 \div 4} + \underbrace{0 \div 7}$$

$$7 + 2 + \cancel{0}$$

$$\textcircled{9}$$

85)

$$8 \cdot 9 \div \sqrt{36} - 4 \div 2 + (14 - 8)$$

$$8 \cdot 9 \div \sqrt{36} - 4 \div 2 + 6$$

$$8 \cdot 9 \div 6 - 4 \div 2 + 6$$

$$\underbrace{12} \div 6 - 4 \div 2 + 6$$

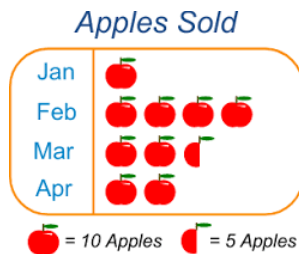
$$12 - \underbrace{4 \div 2} + 6$$

$$12 - 2 + 6$$

$$10 + 6 = \textcircled{16}$$

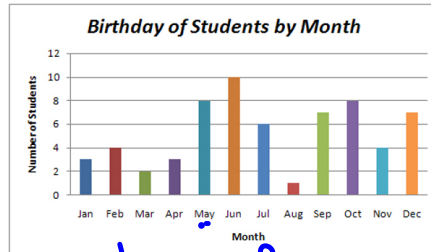
1.9 Reading Various Graphs

Pictograph



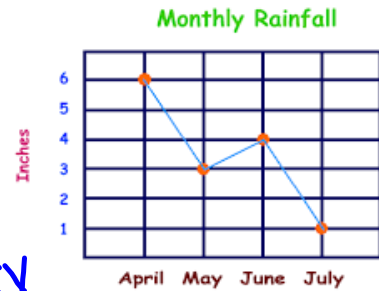
Visual representation

Bar Graph



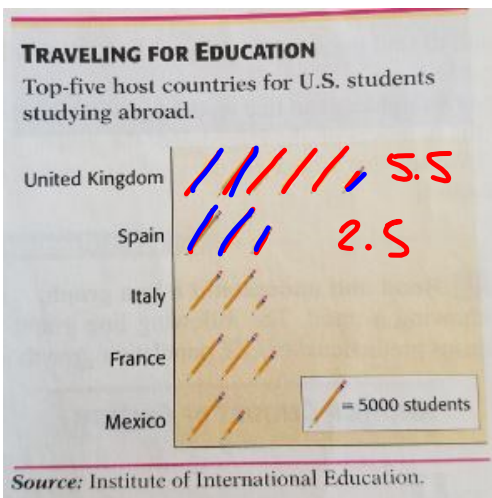
Shows frequency & proportion

Line Graph



Compares time period

Ex 1 Using a pictograph



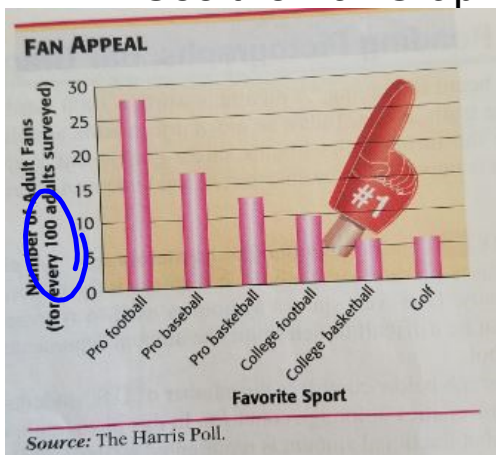
a) Which country has the lowest number of US attending its colleges and universities? **Mexico**

b) Approx. how many more US students are attending colleges in the UK than in Spain? **3 more pencils**
 $3 \times 5000 \rightarrow 15,000$ more students

c) Which country has the highest number of US attending its colleges and universities?

d) Approx. how many more US students are attending colleges in the France than in Mexico?

Ex 2 Use the Bar Graph: a) Find the number of fans who picked college football as their favorite sport.



b) Pro Football $28/100$ 9 out of 100

c) Baseball 17 fans out of 100 fans

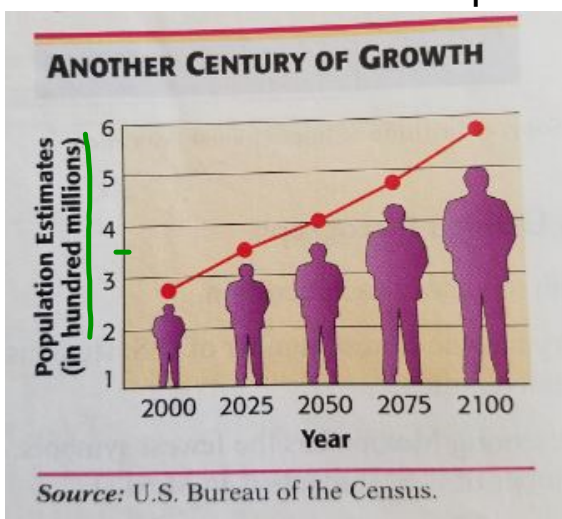
d) Pro Basketball 14 fans out of 100 fans

e) College Basketball

f) Golf

6 fans out of 100 fans

EX 3 Use the Line Graph



- a) What trend of pattern is shown in the graph? *increase in*
- b) What is the estimated *population* population in 2025?
- c) In 2050
- d) In 2075
- e) In 2100

3.50,000,000

4.75,000,000