1.

a. 16

b. 10

c. 11

d. 8

e. 4

f. 3

g. 4

h. 29

i. 4

j. 0

2.

a. false

b. true

c. true

d. true

e. true

f. false

g. false

h. true

i. true

j. false

3.

a. byte 2 A byte because it needs a whole number likely less than 127

b. char ‘A’ A char to store a single letter grade

c. long 7,589,**679,789 Current population is greater than what an int can store**

**d. int**  3,890,324 Current largest county population is within what an int stores

e. byte 56 Bus should not have over 127 Passangers

f. short 300 The current highest scrabble score is 830

g. byte 10 A baseball teams score will be less than 127

h. string “1945” If variable won’t be used for math store in a string

i. byte 2 likely to be less than 127 legs “although the record is 742 legs”

j. double 80,000.99 Typically a price will have a decimal