

GRADE 8 TEST with ANSWERS (January 2010)

- 1) What is your exact Storefront email address? **11ABC@cstorefront.org**
- 2) What does AUP stand for? **Acceptable use policy**
- 3) What is the WRONG way to open or close a laptop? **From one corner (the right way is to use 2 hands)**
- 4) Convert this number from decimal (68) to an ASCII character: **D (remember that A=65)**
- 5) Convert this number from binary (00010010) to decimal: **18 is the answer since you have a 1 in the 2's place and a 1 in the 16's place**

128 64 32 16 8 4 2 1

- 6) Convert this number from binary (01000011) to an ASCII character **C is the answer (first you have to get 67 which is $64 + 2 + 1$) and then convert 67 to C since A is 65**
- 7) Convert this ASCII character ("B") to decimal **66 (since A=65)**
- 8) Convert this ASCII character ("C") to binary **1000011 (since A=65 then C is 67 which converts to 1000011)**
- 9) Change the decimal number of 18 into hexadecimal **12 (the number 12 in hex is the answer since you have 1 in the 16s place and 1 in the 2s place)**
- 10) Change the hexadecimal number of 3A into decimal **58 ($3 \times 16 = 48$, A=10 so $48 + 10 = 58$)**
- 11) Change the hexadecimal number of 4B into binary **1001011 ($4 \times 16 = 64$, B=11, $64 + 11 = 75$)**
- 12) What is the exact file name that YOU would use for saving a Science Powerpoint today?
Jan28JamieScience.ppt
- 13) What is the exact name you would use for saving an English Microsoft Word paper today?
Jan28JamieEnglish.doc
- 14) Convert this number from decimal (88) to an ASCII character: **X (since A=65 then T is 84 and you count to X)**
- 15) Convert this number from binary (11010010) to decimal: **210**
- 16) Convert this number from binary (01001011) to an ASCII character **K (A=65)**
- 17) Convert this ASCII character ("T") to decimal **84 (A=65)**

- 18) Convert 18 to binary **10010**
- 19) Convert 19 to binary **10011**
- 20) Convert 20 to binary **10100**

- 21) Convert 21 to binary **10101**
- 22) Convert 22 to binary **10110**

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23) What is the exact name you would use for saving a Spreadsheet in Excel on Moore's Law today?
Jan28jamiemooreslaw.xls

24) Add the binary numbers of 1101 and 10001 and give the answer in binary 11110 decimal 30 and hexadecimal 1E

$$1101=13, 10001=17$$

$$13+17=30, 30 \text{ converted to binary is } 11110, 30 \text{ converted to hexadecimal is } 1E$$

25) Add the hexadecimal numbers of 3A and 2F and give the answer in binary 1101001 decimal 105 and hexadecimal 69

$$3A=58 \quad (3=48) + (A=10)=58$$

$$2F=47 \quad (2=32) + (F=15)=47$$

$$58+47=105, \text{ converted to binary is } 1101001, \text{ converted to hexadecimal is } 69$$