

Developer basic skills project work Math tools β -Test questions

1. What is the binary equivalent of $AB01_{16}$?
(From math course study material 1.3 ex11)
2. Convert the following hexadecimal numbers to binary: $B52_{16}$
with using numbering system outputs chart
(From math course study material 1.5 homework 6.a)
3. Using the letters of the word PARSLEY and calling any arrangement a word (with different letters).
How many different 7-letter words can be formed?
(From math course study material 3.1 ex35)

4. Find the basic truth tables. (T=True, F=False)

p	q	$p \wedge q$
T	T	
T	F	
F	T	
F	F	

(From math course study material 5 ex65)

5. Can you buy 5 Finnish(Veikkaus) lottery tickets numbers for this weeks with using math tools?
(Finnish one lottery ticket(lotto) consists of 7 numbers from 0 to 40)
(From <https://www.veikkaus.fi>)
6. When driving, a steep hill is typically only 12° . What is the cosine of this angle?
(From <https://serc.carleton.edu/mathyouneed/trigonometry/BasicTrigSP.html>)

Thank you for your time if you have still time or you've got nothing to do then you can browse and check this html files and leave messages to me anything.