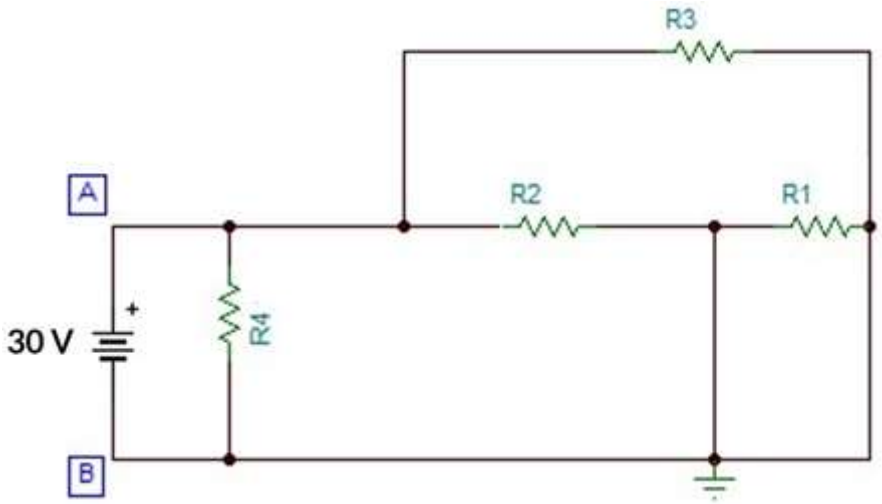
Started on	Friday, 4 December 2020, 7:19 PM
State	Finished
Completed on	Friday, 4 December 2020, 7:49 PM
Time taken	30 mins 1 sec
Grade	**5.00** out of 5.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

Find the equivalent resistance (in Ohm) of the circuit between A and B. The values of resistances are R1=60 Ω, R2=46 Ω, R3=35 Ω, R4=39 Ω.



Select one:

- a. 9.28
- b. 13.17 ✓
- c. 10.02
- d. 10.88

Your answer is correct.

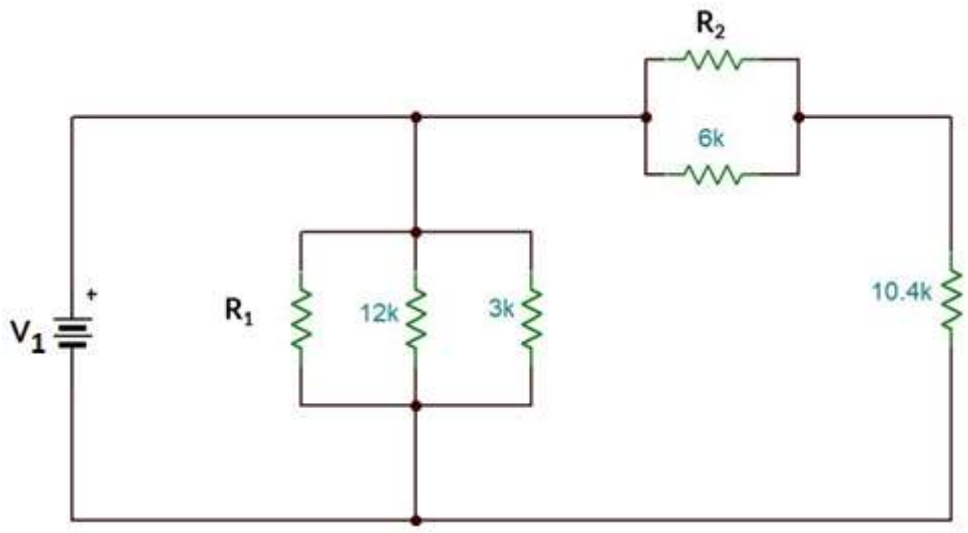
The correct answer is: 13.17

Question 2

Correct

Mark 1.00 out of 1.00

In the circuit given below, find the voltage (in Volt) across the 3K Ohm resistor when V_1=5.5 V, R1=5.0 kΩ and R2=4.5 kΩ:



Select one:

- a. 18.30
- b. 5.50 ✓
- c. 20.50
- d. 3.09

Your answer is correct.

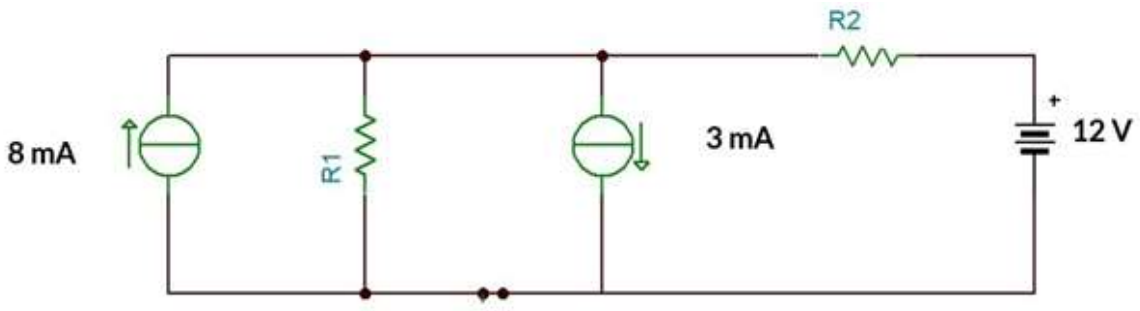
The correct answer is: 5.50

Question 3

Correct

Mark 1.00 out of 1.00

For the circuit shown below, calculate the voltage (in Volt) across the resistor R1 when R1=12.5 kΩ and R2=59.1 kΩ



Select one:

- a. 53.68 ✓
- b. 5.20
- c. 52.46
- d. 125.91

Your answer is correct.

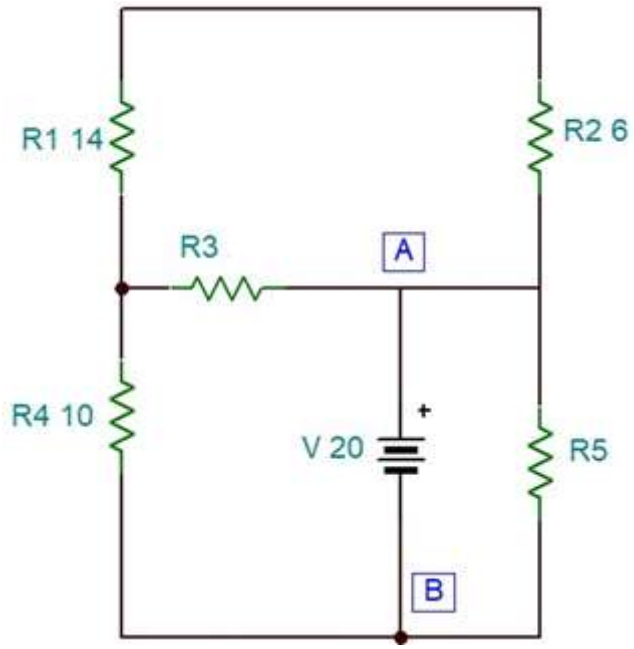
The correct answer is: 53.68

Question 4

Correct

Mark 1.00 out of 1.00

Find the equivalent resistance (in Ohm) across the nodes A, B for the circuit shown below when R3=1.7 Ω and R5=6.7 Ω. (All the resistance values given in the figure are in Ohms).



Select one:

- a. 4.24 ✓
- b. 3.77
- c. 4.34
- d. 5.93

Your answer is correct.

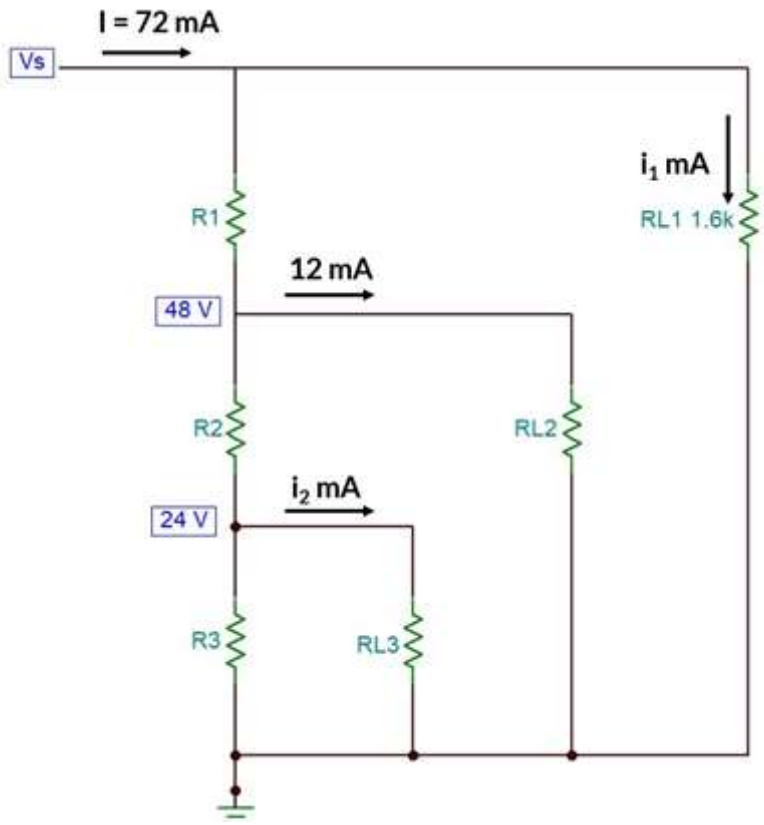
The correct answer is: 4.24

Question 5

Correct

Mark 1.00 out of 1.00

Find the current (in mA) flowing through the resistor R3 for the circuit shown below when I1=8.0 mA and I2=5.2 mA



Select one:

- a. 46.80 ✓
- b. 36.80
- c. 57.20
- d. 73.20

Your answer is correct.

The correct answer is: 46.80