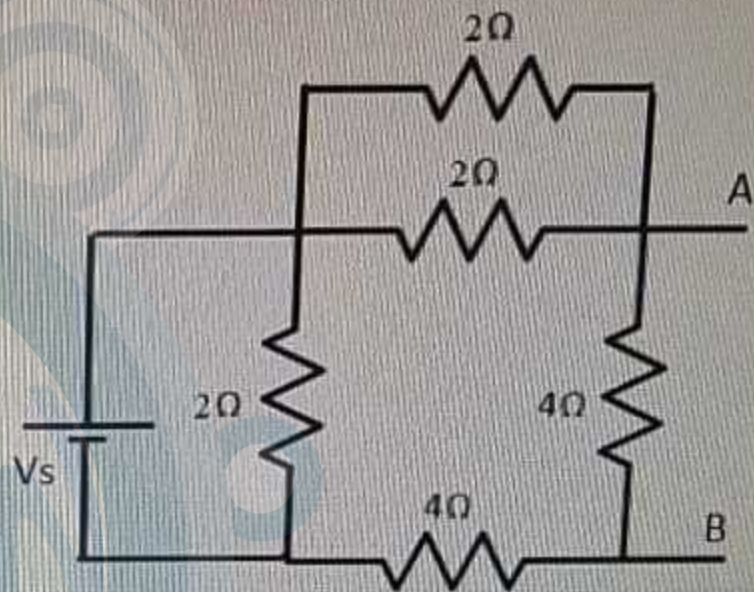


4

To measure the current passing through an element in any circuit:
(2 Points)

- You need an ammeter connected in series with the element
- You need an ohmmeter connected in parallel with the element
- You need an ammeter connected in parallel with the element
- You need an ohmmeter connected in series with the element
- You need a voltmeter connected in parallel with the element
- You need a voltmeter connected in series with the element

5



For the following circuit, the Thevenin resistance between A and B (in ohm) is (2 Points)

254

6

• BLACK: 0	• GREEN: 5
• BROWN: 1	• BLUE: 6
• RED: 2	• VIOLET: 7
• ORANGE: 3	• GREY: 8
• YELLOW: 4	• WHITE: 9

Use the following table to calculate the value of the resistor that has colors (White, Green, Red, and Silver) while the Silver color represents 10% tolerance.

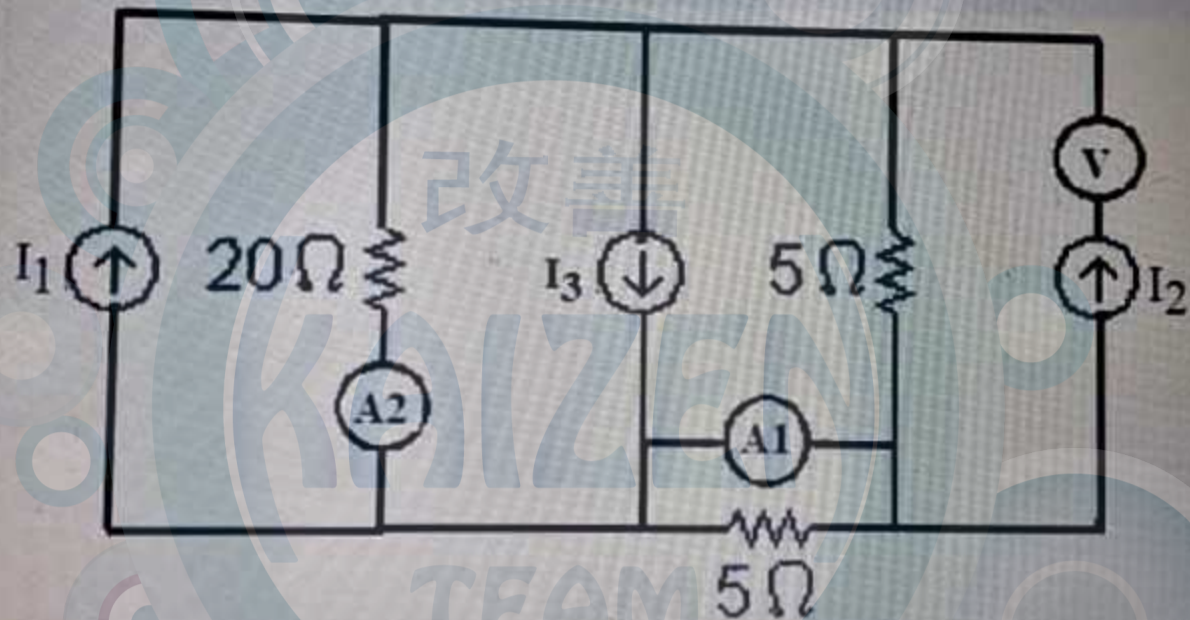
The maximum value of the resistor will be:

(2 Points)

10450

1

A student connected the following circuit with three current sources ($I_1 = 3\text{ A}$, $I_2 = 4\text{ A}$ and $I_3 = 6\text{ A}$) and he added two Ammeters (A1 and A2) and one voltmeter (V). The reading of the ammeter A2 (in A) will be: (2 Points)



The voltage (V) across the 2 ohm resistor (in volt) is:
(2 Points)

