Electric Circuits



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2	The diagram below shows two resistors connected in series to a 20-volt battery. If the current through the 5.0-ohm resistor is 1.0 ampere, the current through the 15.0-ohm resistor is Circle the answer. 1.0 A 0.33 A 1.3 A 3.0 A The diagram below represents an electric circuit. What is the total amount of energy delivered to the resistor in 4.0 V PREV PREV		How much current flow 12-ohm flashlight bulb 3.0 volts? 0.25 A 3.0 A 0.75 A 4.0 A What is the total resistation of the diagram? Write the answer.	operating at ance of the	
	Please <u>Sign In</u> or <u>Sign Up</u> to download the printable version of this worksheet				
4	with a 30-ohm resistor, the equivalent resistance is $2.0 \ \Omega \qquad 10 \ \Omega \qquad 15 \ \Omega \qquad 45 \ \Omega$		a. 1.7 × 10 ⁻⁴ A b. 2.4 × 10 ⁻² A c. 6.0 × 10 ³ A		
5	A 10-meter length of wire with a cross-sectional area of 3.0 × 10 ⁻⁶ square meter has a resistance of 9.4 × 10 ⁻² ohm at 20°C. The wire is most likely made of silver copper aluminum		A current of 3.0 amperes a circuit. How much chargiven point in the circuit 0.10 C 33 C 10 C 90 C	arge passes a	

Electric Circuits - Answer Key



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connected in If the current the 5.0-ohm re 1.0 ampere, the through the 1st resistor is Circle the ans 1.0 A The diagram to	esistor is ne current 5.0-ohm wer. 33 A 1.3 A 3.0 A Delow represents an electric is the total amount of energy	12-ohm f 3.0 volts 0.25 A 0.75 A 7 What is t circuit se in the dia Write the 1.0 g	3.0 A 4.0 A the total resistant egment shown agram?	perating at
with a 30-ohm resistance is 2.0 Ω 5 A 10-meter lessectional area has a resistance is median area than a resistance is median area.	ase Sign In or Sign I	a. 1.7 × b. 2.4 × c. 6.0 × A current a circuit.	10 ⁻⁴ A 10 ⁻² A	ge passes a