Circuit Virtual Escape Room Map ~ [4-Player]

You must work with your team to earn your reward Your clues interact, and you cannot afford To leave groupmates behind or sit silently staring This is time for unmuting and time for screen sharing.

This escape room requires your circuitry smarts You will face separate doors and will have unique parts Of the overall challenge. It will test your persistence As you calculate voltage, current, power, resistance

Make sure that you're careful and read all the text When your team is all ready, you can start - just click "Next"

You must work with your team to earn your reward Your clues interact, and you cannot afford To leave groupmates behind or sit silently staring This is time for unmuting and time for screen sharing.

This escape room requires your circuitry smarts You will face separate doors and will have unique parts Of the overall challenge. It will test your persistence As you calculate voltage, current, power, resistance

Make sure that you're careful and read all the text When your team is all ready, you can start - just click "Next"

You must work with your team to earn your reward Your clues interact, and you cannot afford To leave groupmates behind or sit silently staring This is time for unmuting and time for screen sharing.

This escape room requires your circuitry smarts You will face separate doors and will have unique parts Of the overall challenge. It will test your persistence As you calculate voltage, current, power, resistance

Make sure that you're careful and read all the text When your team is all ready, you can start - just click "Next"

You must work with your team to earn your reward Your clues interact, and you cannot afford To leave groupmates behind or sit silently staring This is time for unmuting and time for screen sharing.

This escape room requires your circuitry smarts You will face separate doors and will have unique parts Of the overall challenge. It will test your persistence As you calculate voltage, current, power, resistance

Make sure that you're careful and read all the text When your team is all ready, you can start - just click "Next"

Door #1

The resistor shown below has a 3-watt power rating From this published limit, find volts by calculating Maximum voltage for the resistance shown by colors Too bad your data's scrambled, compare lists with all the others

The resistor shown below has a 3-watt power rating From this published limit, find volts by calculating Maximum voltage for the resistance shown by colors Too bad your data's scrambled, compare lists with all the others

The resistor shown below has a 3-watt power rating From this published limit, find volts by calculating Maximum voltage for the resistance shown by colors Too bad your data's scrambled, compare lists with all the others

The resistor shown below has a 3-watt power rating From this published limit, find volts by calculating Maximum voltage for the resistance shown by colors Too bad your data's scrambled, compare lists with all the others









Resistance = 3Ω

Resistance = 75Ω

Resistance = 10Ω

Resistance = 56Ω

Brown - Black - Black

Mass: 15 q Diameter: 5.5 mm Length: 15.0 mm Resistance: 10Ω Power Rating: 3 W

Operating Temperature: -55°C ~ 235°C https://www.digikey.com/en/products/detail/sta ckpole-electronics-inc/RSMF3JT10R0/1695561

3 V

Orange - Black - Gold

Mass: 15 q Diameter: 5.5 mm Length: 15.0 mm Resistance: 3Ω Power Rating: 3 W

Operating Temperature: -55°C ~ 235°C https://www.digikey.com/en/products/detail/sta ckpole-electronics-inc/RSMF3JT3R00/1695451

Green - Blue - Black

Mass: 15 q Diameter: 5.5 mm Length: 15.0 mm Resistance: 56 Ω Power Rating: 3 W

Operating Temperature: -55°C ~ 235°C https://www.digikey.com/en/products/detail/sta ckpole-electronics-inc/RSMF3JT56R0/1695611

Purple - Green - Black

Mass: 15 q Diameter: 5.5 mm Length: 15.0 mm Resistance: 75 Ω Power Rating: 3 W

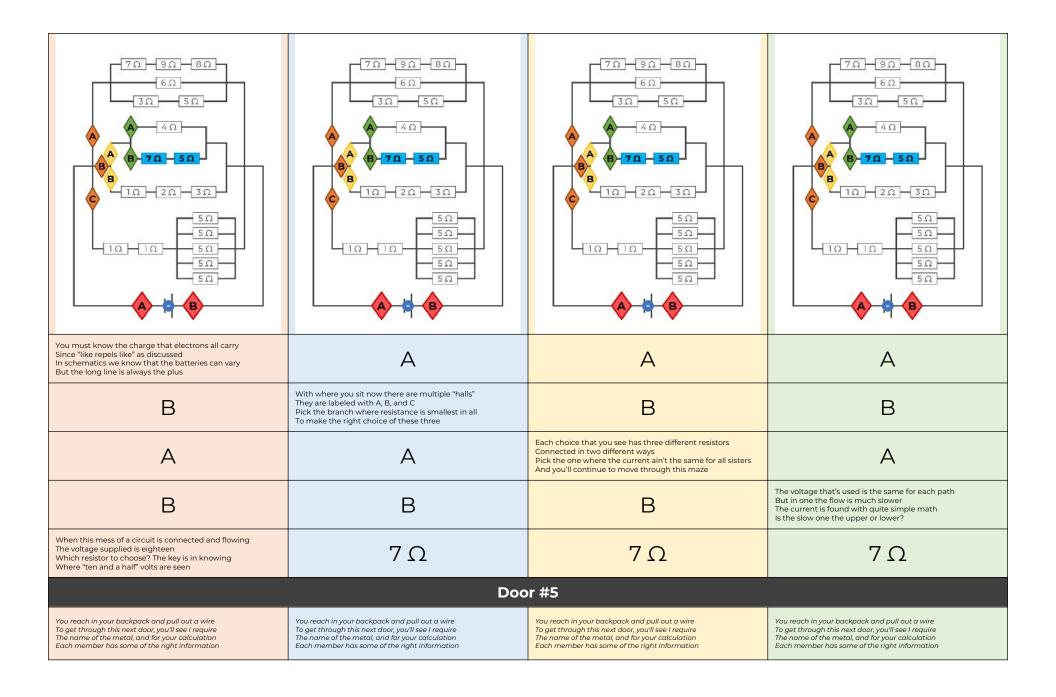
Operating Temperature: -55°C ~ 235°C https://digikey.com/en/products/detail/stackpol e-electronics-inc/RSMF3JT75R0/1695621

15 V

5.477 V (5.4-5.5)

12.961 V (12.9-13.0)

Door #2 Equivalence means the result is the same When grouping resistors with a new labeled name Parallel or series, affects how they add Find the parts of the whole or you'll wish that you had Find the parts of the whole or you'll wish that you had Find the parts of the whole or you'll wish that you had Find the parts of the whole or you'll wish that you had В C • 80 60 90 70 • 6Ω 13 Ω 21 Ω 30 Ω 21 Ω 15 Ω 13 Ω 20 Ω 15 Ω 6Ω 30 Ω 20 Ω • A B C D E F • A B C D E F • A B C D E F • A B C D E F 105 Ω 105 Ω 105 Ω 105 Ω Door #3 Circuits are simply complete paths around For electrons to flow as components compound The electrical properties, junctions, and loops Will help find the colors as you work with your groups Will help find the colors as you work with your groups Will help find the colors as you work with your groups Will help find the colors as you work with your groups R₁ 12 Ω 22.5.0 2250 -450 45.0 -4274 150 15 U - 16 a 1Ω - 2Ω -6Ω 3 A 3 A 9 V 9 V 8 V 8 V 6Ω 6389 6389 6389 6389 Door #4 This next door is different -- it's kind of a maze This next door is different -- it's kind of a maze This next door is different -- it's kind of a maze This next door is different -- it's kind of a maze You're all an electron that can move different ways You're all an electron that can move different ways You're all an electron that can move different ways You're all an electron that can move different ways At each junction, one person is given a clue At each junction, one person is given a clue At each junction, one person is given a clue At each junction, one person is given a clue Take their advice or be back for round two. Take their advice or be back for round two. Take their advice or be back for round two. Take their advice or be back for round two.

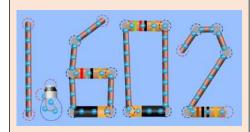


200 Pt		4 mm	Material Resistivity Silver
The spool of wire is labeled "200 ft". Convert this into meters.	You hook up the wire to a potential difference of 3 volts and measure 5.83 A with an ideal ammeter.	What is the cross-sectional area of the wire? Complete the missing value rounded to 2 decimal places	$\rho = \frac{RA}{L}$ Resistivity is a property that can help define the material
60.96 m	0.515 (0.514-0.515)	1.26 x 10-⁵ (1.25-1.26)	
What is the wire made of?	What is the wire made of?	What is the wire made of?	What is the wire made of?
Platinum	Platinum	Platinum	Platinum
Door #6			
This final door's equipped with two factor authentication To get your final clue, I need a little communication This crazy awesome circuit gives a crucial little digit Incorporate it wisely and you'll soon receive your ticket	This final door's equipped with two factor authentication To get your final clue, I need a little communication This crazy awesome circuit gives a crucial little digit Incorporate it wisely and you'll soon receive your ticket	This final door's equipped with two factor authentication To get your final clue, I need a little communication This crazy awesome circuit gives a crucial little digit Incorporate it wisely and you'll soon receive your ticket	This final door's equipped with two factor authentication To get your final clue, I need a little communication This crazy awesome circuit gives a crucial little digit Incorporate it wisely and you'll soon receive your ticket
- <	1000 Ω 1000 Ω 1000 Ω 1000 Ω 1000 Ω 1000 Ω 1000 Ω		
Just looking at those branches sends my mind into twisters I'll save you the counting, there are 25 resistors.	If the current is your goal, total volts is good to get It's the same amount of voltage as a standard US outlet	Send an email message if you want to move on circuitescape★@gmail.com	Someone has an address with a star in the middle Replace it with the current to receive your final riddle
Email circuitescape3@gmail.com			
Your next Clue: You found circuit success since you knew where to send You must answer this riddle to get to the end		What did the announcer say when the resistor hit the baseball out of the park?	

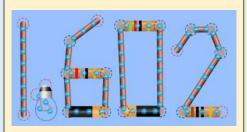
Ohm run

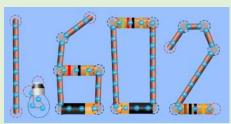
CONGRATULATIONS!!

You made it to the end and the feeling is ELECTRIC! It's clear your group is ready, you accomplished every metric Share this code here with your teacher to prove that you are done I hope this helped review things and I hope that you had fun You made it to the end and the feeling is ELECTRIC! It's clear your group is ready, you accomplished every metric Share this code here with your teacher to prove that you are done I hope this helped review things and I hope that you had fun You made it to the end and the feeling is ELECTRIC! It's clear your group is ready, you accomplished every metric Share this code here with your teacher to prove that you are done I hope this helped review things and I hope that you had fun You made it to the end and the feeling is ELECTRIC! It's clear your group is ready, you accomplished every metric Share this code here with your teacher to prove that you are done I hope this helped review things and I hope that you had fun









Submit Form

Congratulations again!!

1.602 isn't just a random code you know. It's a reference to the elementary charge of protons on electrons (1.60217662 x 10^-19 Coulombs)

Electricity all the way through:)

Congratulations again!!

1.602 isn't just a random code you know. It's a reference to the elementary charge of protons on electrons (1.60217662 x 10^-19 Coulombs)

Electricity all the way through:)

Congratulations again!!

1.602 isn't just a random code you know. It's a reference to the elementary charge of protons on electrons (1.60217662 x 10^-19 Coulombs)

Electricity all the way through:)

Congratulations again!!

1.602 isn't just a random code you know. It's a reference to the elementary charge of protons on electrons (1.60217662 x 10^-19 Coulombs)

Electricity all the way through:)