

【】 回路と電流・電圧

【】 回路

[回路]

[解答欄 1]

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[解答欄 2]

(1)	(2)①	②
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[解答欄 3]

(1)	(2)A	B	(3)①
②			

[豆電球の点滅]

[解答欄 4]

(1)図 1 :	図 2 :	(2)
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[解答欄 5]

(1)①	②	(2)①	②
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[解答欄 6]

(1)	(2)	(3)
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[電気用図記号]

[解答欄 7]

①	②	③
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[解答欄 8]

①	②		
③	④	⑤	⑥

[解答欄 9]

①	②	③	④
⑤			

[解答欄 10]

(1)①	②	③	(2)①
②	③		

[回路図]

[解答欄 11]

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[解答欄 12]

A	B
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[解答欄 13]

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[解答欄 14]

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【】 電流計・電圧計

[電流計・電圧計の読み方]

[解答欄 15]

(1)	(2)
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[解答欄 16]

①	②	③
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[解答欄 17]

(1)	(2)	(3)
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[最初につなぐ端子]

[解答欄 18]

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[解答欄 19]

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[解答欄 20]

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[電源の+側を電流計(電圧計)の+端子につなぐ]

[解答欄 21]

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[解答欄 22]

①	②
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[電圧計は並列，電流計は直列につなぐ]

[解答欄 23]

(1)	(2)
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[解答欄 24]

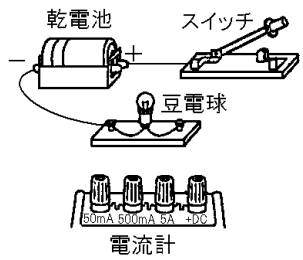
(1)a	b	(2)a	b
(3)	(4)		

[解答欄 25]

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[電流計・電圧計のつなぎ方と回路図]

[解答欄 26]

<p>(1)</p>  <p>乾電池 スイッチ</p> <p>豆電球</p> <p>電流計</p>	<p>(2)</p>
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[解答欄 27]

(1)
(2)

[解答欄 28]

(1)A :	B :	C :	D :
(2)			

[電流計・電圧計全般]

[解答欄 29]

(1)a	b	c	d
(2)①	②		

[解答欄 30]

(1)		(2)①	②
(3)①	②	(4)①	②

【】 電流と電圧の性質

[電流の性質]

[解答欄 31]

(1)	(2)
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[解答欄 32]

(1)	(2)
-----	-----

[解答欄 33]

(1)☒ 1 :	☒ 2 :	(2)	(3)
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[解答欄 34]

☒ 1 :	☒ 2 :
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[電圧の性質]

[解答欄 35]

(1)	(2)
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[解答欄 36]

(1)	(2)
-----	-----

[解答欄 37]

(1)	(2)	(3)
-----	-----	-----

[電流と電圧の性質全般]

[解答欄 38]

(1)図 1 :	図 2 :	(2)図 1 :
図 2 :	(3)図 1 :	図 2 :

[解答欄 39]

(1)	(2)
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[解答欄 40]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 41]

(1)ア	イ	エ	(2)①
②	(3)		

[解答欄 42]

(1)	(2)	(3)
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【】 電圧と電流と抵抗

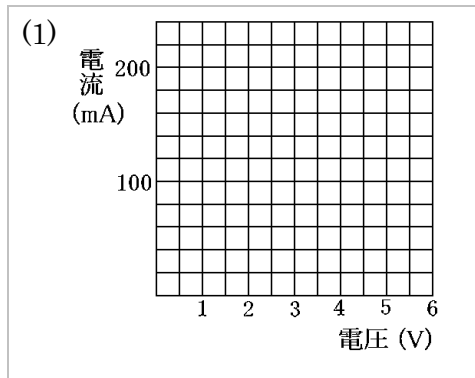
【】 オームの法則

[電圧と電流の関係：比例関係]

[解答欄 43]

(1)	(2)	(3)
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[解答欄 44]



(2)	(3)
-----	-----

[オームの法則の公式]

[解答欄 45]

(1)	(2)	(3)
-----	-----	-----

[解答欄 46]

(1)	(2)
-----	-----

[解答欄 47]

(1)	(2)	(3)	(4)
(5)	(6)		

[解答欄 48]

(1)a :	b :	(2)	(3)
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[解答欄 49]

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[グラフを使った問題]

[解答欄 50]

(1)	(2)
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[解答欄 51]

(1)	(2)	(3)A :	B :
(4)			

[解答欄 52]

(1)	(2)	(3)	(4)
(5)			

[科学者]

[解答欄 53]

①	②	③
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【】 導体と不導体など

[導体と不導体]

[解答欄 54]

(1)	(2)
-----	-----

[解答欄 55]

①	②
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[解答欄 56]

導体 :	不導体 :
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[銅とニクロムなど]

[解答欄 57]

(1)	(2)	(3)	(4)
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[解答欄 58]

(1)①	②	(2)①	②
(3)①	②		

[解答欄 59]

(1)①	②	(2)
(3)	(4)	

[解答欄 60]

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[解答欄 61]

(1)	(2)
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[長さ・断面積と抵抗の値]

[解答欄 62]

(1)	(2)	(3)
-----	-----	-----

【】 回路の計算問題

【】 直列回路の計算

[電流がわかっている場合]

[解答欄 63]

P :	Q :
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[解答欄 64]

(1)	(2)
-----	-----

[解答欄 65]

(1)	(2)	(3)
-----	-----	-----

[解答欄 66]

(1)	(2)	(3)
-----	-----	-----

[解答欄 67]

(1)X :	Y :	(2)	(3)
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[解答欄 68]

(1)	(2)	(3)
-----	-----	-----

[直列回路の抵抗の合成]

[解答欄 69]

(1)	(2)
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[解答欄 70]

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[解答欄 71]

(1)	(2)	(3)	(4)
(5)			

[解答欄 72]

(1)P	Q	(2)	(3)
(4)			

[解答欄 73]

(1)	(2)	(3)
-----	-----	-----

[解答欄 74]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 75]

(1)a :	b :	(2)	(3)
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[解答欄 76]

(1)P :	Q :	(2)	(3)
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【】 並列回路の計算

[回路の計算]

[解答欄 77]

(1)	(2)	(3)
-----	-----	-----

[解答欄 78]

(1)P :	Q :	(2)
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[解答欄 79]

(1)	(2)
-----	-----

[解答欄 80]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 81]

(1)	(2)	(3)	(4)
(5)			

[解答欄 82]

(1)	(2)	(3)	(4)
(5)			

[並列回路の抵抗の合成]

[解答欄 83]

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[解答欄 84]

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[解答欄 85]

(1)	(2)
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[解答欄 86]

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[解答欄 87]

(1)	(2)	(3)
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【】 複雑な回路の計算

[並列+直列]

[解答欄 88]

(1)	(2)	(3)
-----	-----	-----

[解答欄 89]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 90]

(1)	(2) R_2 :	R_3 :	(3)
(4)	(5)	(6)	(7)

[解答欄 91]

(1)	(2)	(3)	(4)
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[解答欄 92]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 93]

(1)	(2)
-----	-----

[解答欄 94]

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[スイッチのある回路]

[解答欄 95]

(1)	(2)	(3)
-----	-----	-----

[解答欄 96]

(1)	(2)	(3)	(4)
-----	-----	-----	-----

[解答欄 97]

(1)	(2)
-----	-----

【】 豆電球の明るさ

[豆電球の明るさ]

[解答欄 98]

(1)	(2)	(3)	(4)
(5)			

[解答欄 99]

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[解答欄 100]

(1)	(2)a :	b :
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【】 電気エネルギー

【】 電力

[電力=電圧×電流]

[解答欄 101]

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[解答欄 102]

(1)	(2)
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[解答欄 103]

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[解答欄 104]

(1)	(2)	(3)①	②
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[オームの法則と電力の計算]

[解答欄 105]

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[解答欄 106]

(1)	(2)
-----	-----

[解答欄 107]

(1)	(2)	(3)
-----	-----	-----

[解答欄 108]

①	②
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[電球の明るさの比較]

[解答欄 109]

(1)	(2)
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[解答欄 110]

(1)	(2)
-----	-----

[並列・直列のときの電力]

[解答欄 111]

(1)	(2)	(3)
-----	-----	-----

[解答欄 112]

(1)a	b	(2)c	d
(3)c	d	(4)①	②

[解答欄 113]

(1)	(2)
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【】 熱量と電力量

[(熱量 J)=(電力 W)×(秒 s)]

[解答欄 114]

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[解答欄 115]

(1)	(2)
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[解答欄 116]

(1)	(2)
-----	-----

[J と cal]

[解答欄 117]

①	②
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[解答欄 118]

(1)	(2)
-----	-----

[解答欄 119]

(1)	(2)	(3)
-----	-----	-----

[電力量]

[解答欄 120]

①	②
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[解答欄 121]

①	②	③
---	---	---

[解答欄 122]

①	②
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[解答欄 123]

(1)	(2)	(3)
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[解答欄 124]

(1)	(2)
-----	-----

[家庭内の電気器具]

[解答欄 125]

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[解答欄 126]

(1)	(2)
(3)	

[解答欄 127]

(1)①	②	(2)
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[解答欄 128]

(1)	(2)	(3)	(4)
(5)			

[解答欄 129]

(1)①	②	(2)	(3)①
②	(4)		
(5)			

[解答欄 130]

(1)	(2)	(3)	(4)
(5)	(6)①	②	

【】 熱量の実験など

[熱量の実験①]

[解答欄 131]

(1)	(2)
(3)	

[解答欄 132]

(1)	(2)
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[解答欄 133]

(1)①	②	(2)	③
(4)			

[熱量の実験②]

[解答欄 134]

(1)	(2)	(3)
-----	-----	-----

[解答欄 135]

(1)	(2)	(3)	(4)
(5)	(6)		

[直列・並列]

[解答欄 136]

(1)	(2)
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[解答欄 137]

(1)図 1 :	図 2 :	(2)
(3)		

【】 総合問題

【解答欄 138】

①	②	③	④
⑤	⑥	⑦	⑧
⑨	⑩		
⑪	⑫	⑬	⑭
⑮	⑯	⑰	

【解答欄 139】

①	②	③	
④	⑤	⑥	
⑦	⑧	⑨	
⑩	⑪	⑫	⑬

【解答欄 140】

①	②	③
④	⑤	⑥
⑦	⑧	⑨
⑩	⑪	⑫
⑬	⑭	⑮

[解答欄 141]

①	②	③	④
⑤	⑥	⑦	⑧
⑨	⑩	⑪	
⑫	⑬	⑭	
⑮	⑯	⑰	
⑱	⑲		

[解答欄 142]

(1)①	②	③	④
⑤	⑥	(2)①a	b
②	(3)①A :	B :	C :
D :	②	(4)①	②
(2)③A	B		

[解答欄 143]

(1)①	②	③	④
⑤	(2)①	②	③
④			

[解答欄 144]

(1)①	②	③	④
(2)①	②	③	

[解答欄 145]

(1)	(2)	(3)	(4)a :
b :	(5)a :	b :	(6)
(7)	(8)	(9)a :	b :
(10)			

[解答欄 146]

(1)	(2)	(3)	(4)
(5)	(6)	(7)	(8)①
②			

[解答欄 147]

(1)	(2)	(3)	(4)
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