

/	NAME
/	

中2理科電流と電圧 NO5
抵抗の和の求め方

問題1	問題2	
間違数	間違数	間違数

①

4Ω 5Ω

9 Ω

②

6Ω 1Ω

7 Ω

①

9Ω 7Ω

16 Ω

②

8Ω 5Ω

13 Ω

③

7Ω 13Ω

20 Ω

④

8Ω 9Ω

17 Ω

③

15Ω 24Ω

39 Ω

④

30Ω 45Ω

75 Ω

⑤

6Ω 7Ω 5Ω

18 Ω

⑥

9Ω 11Ω 3Ω

23 Ω

⑤

9Ω 6Ω 14Ω

29 Ω

⑥

17Ω 28Ω 44Ω

45
89 Ω

⑦

2Ω 4Ω 3Ω

9 Ω

⑧

15Ω 17Ω 13Ω

45 Ω

⑦

23Ω 58Ω 34Ω

115 Ω

⑧

69Ω 87Ω 41Ω

197 Ω

$\frac{120}{69} = 1.74$
 $\frac{120}{197}$

⑨

4Ω
12Ω

3 Ω

⑩

20Ω
30Ω

12 Ω

⑨

4Ω
6Ω

$\frac{1}{4} + \frac{1}{6} = \frac{3+2}{12} = \frac{5}{12}$

2.4 Ω

⑩

2Ω
8Ω

$\frac{1}{2} + \frac{1}{8} = \frac{4+1}{8} = \frac{5}{8} = 1.6$

1.6 Ω

⑪

10Ω
15Ω

6 Ω

⑫

2Ω
6Ω

1.5 Ω

⑪

3Ω
15Ω

$\frac{1}{3} + \frac{1}{15} = \frac{5+1}{15} = \frac{6}{15} = \frac{2}{5}$

2.5 Ω

⑫

10Ω
6Ω

$\frac{1}{10} + \frac{1}{6} = \frac{3+5}{30} = \frac{8}{30} = \frac{4}{15}$

3.75 Ω

$\frac{8}{30} = \frac{4}{15}$
 $\frac{37.5}{40}$

⑬

10Ω
10Ω

5 Ω

⑭

8Ω
8Ω

4 Ω

⑬

5Ω
20Ω

$\frac{1}{5} + \frac{1}{20} = \frac{4+1}{20} = \frac{5}{20} = \frac{1}{4}$

4 Ω

⑭

12Ω
18Ω

$\frac{1}{12} + \frac{1}{18} = \frac{3+2}{36} = \frac{5}{36}$

7.2 Ω

$\frac{5}{36} = \frac{1}{7.2}$
 $\frac{37.5}{10}$