NAME _____ CLASS _____

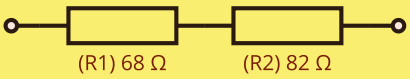
RESISTANCE PRACTICE

SERIES
$R_T = R_1 + R_2 + ...$

PARALLEL
$R_T = (R_1 \times R_2) \div (R_1 + R_2)$

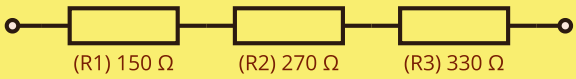
1 Calculate R_T. Show all working. 10 marks

A



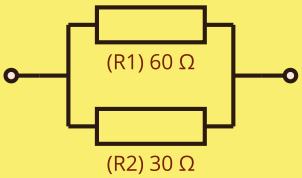
WORKING

B



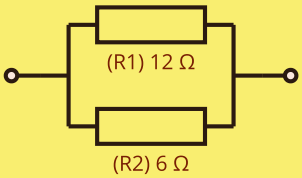
WORKING

C



WORKING

D

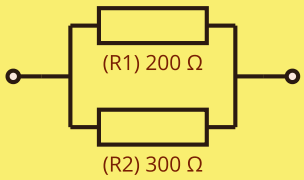


WORKING

MIXED CIRCUITS

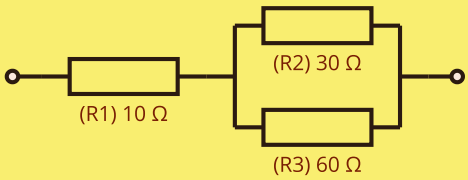
Work out each group first, then combine the groups.

E



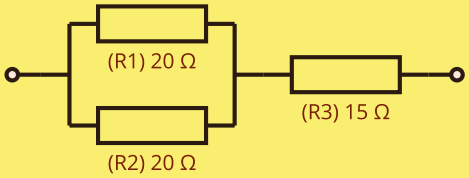
WORKING

F



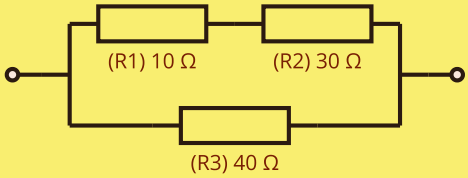
WORKING

G



WORKING

H



WORKING

2 Without calculating, explain how you know that 100 Ω and 1 Ω in parallel must give less than 1 Ω. 2 marks