張進通許世賢教育事務基金會 104 學年度雲嘉南區國中數學能力競賽　數學二答案卷

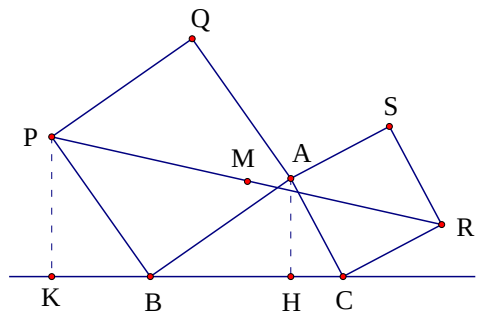
一、填充題: 每格 5 分 (80%)

1	14：5
2	12
3	8
4	7：9
5	12
6	143
7	$\sqrt{2015}+\sqrt{2016}$
8	4438
9	20
10	30π
11	3
12	40
13	$\frac{25}{2}$
14	$\frac{7}{2}$
15	8π
16	30

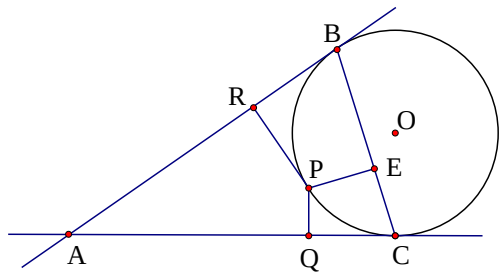
二、計算證明題 (20%)

1.(1) 略

(2) 略



2. 略



3.(1)略

(2) x = $\frac{1}{mnk}$, y = $-\frac{m+n+k}{mnk}$, z = $\frac{mn+nk+km}{mnk}$