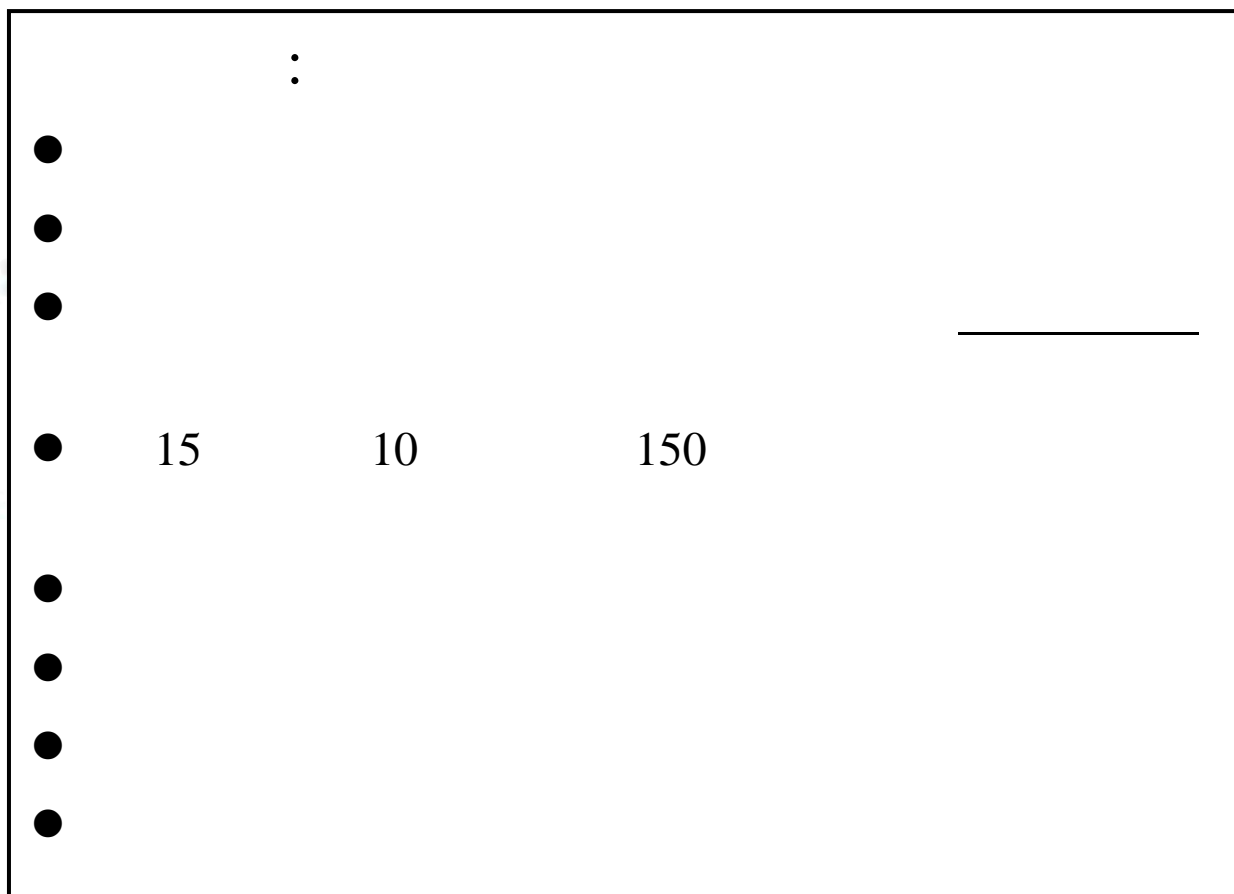




國際數學競賽

INTERNATIONAL MATHEMATICS COMPETITION
Changchun China, 27 July ~ 1 August 2015

90



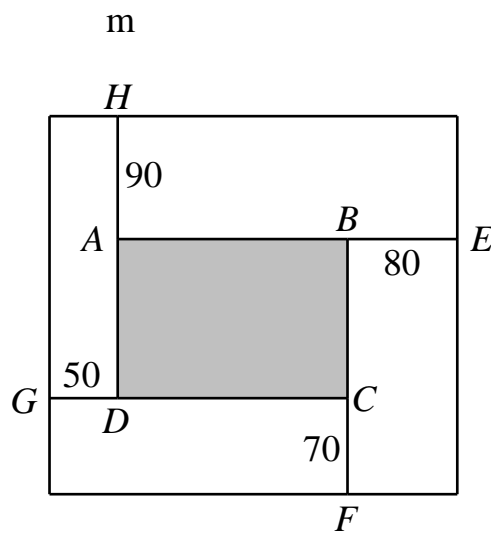
Traditional Chinese Version

1. 2015

2. 1 2 3 ... 20 21

212

3. $ABCD$ AB E $BE = 80\text{m}$
 BC F $CF = 70\text{m}$ CD G $DG = 50\text{m}$
 DA H $AH = 90\text{m}$ E G AD
 F H AB
2016 m



4.

1

161

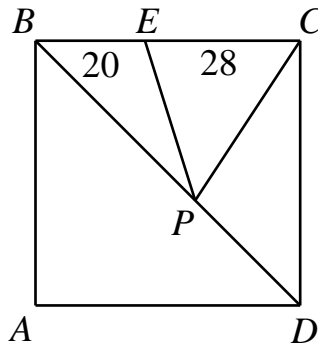
5. A B 1 B 5 A 3
1 2015 1.5

6. 1 2 3 4 5 6

47

358

7. E $ABCD$ BC $BE = 20\text{ cm}$ $CE = 28\text{ cm}$ P
 BD $PE + PC$ cm

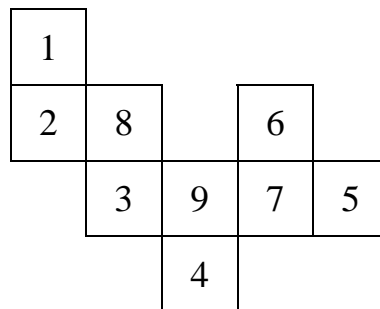


8. 36

- 9.

1×1

1×1



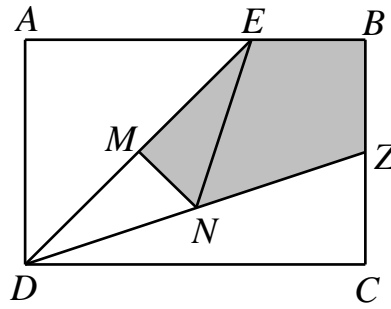
10. 2015

- 11.

12. 5

3

13. E $ABCD$ AB $AE = 2EB$ Z BC
 M N DE DZ EMN
 5 cm^2 $MEBZN$ cm^2



14. 1 2 3 ... 12
 3

15. 1 2 3 ... 19
 10 ~ 18 1 ~ 9
 6 16 17 18 19 1 2 3 4 5
 1 2 3 ... 19