



國際數學競賽

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

60

:

-
-
-

	10	40	1
3 5 7 9			
2 4 6 8 10			

-
-
-

	10		
	35		
15			

Traditional Chinese Version

	1	2	3	4	5	6	7	8	9	10		

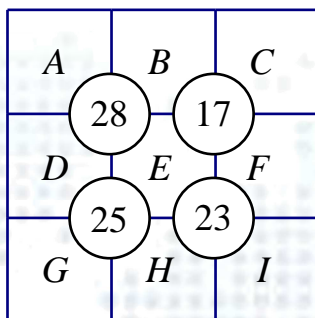


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1. 1 2 3 4 5 6 7 8 9



Answer: _____



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2.



Answer: _____



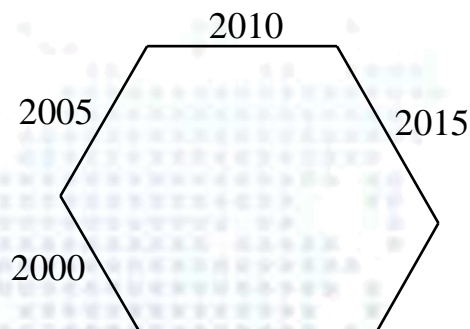


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3. 120° 2000 cm
2005 cm 2010 cm 2015 cm cm



Answer: _____ cm



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4.

4×4



Answer: _____



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5.

100



Answer: _____





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$$6. \quad \frac{\frac{100}{5}}{\frac{9}{999}}$$



Answer: _____

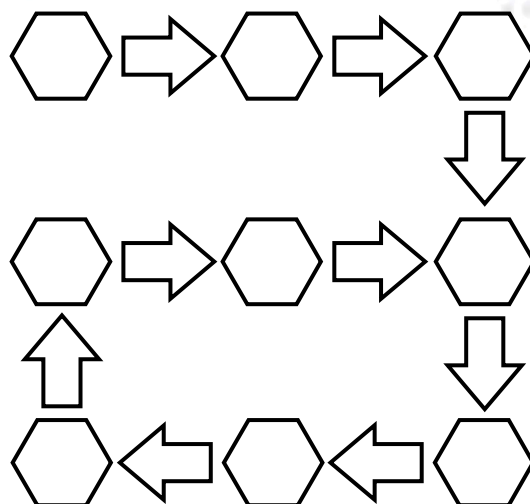
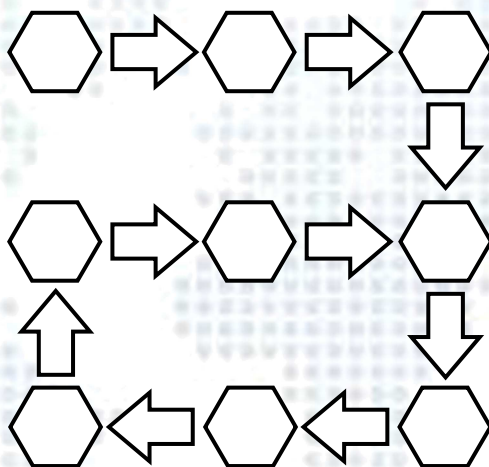


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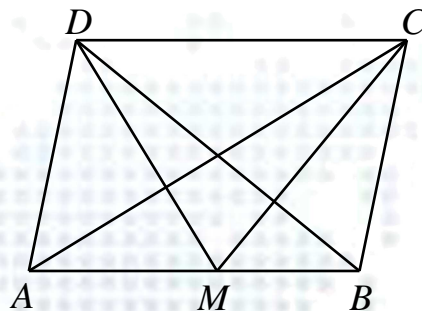
7. $6 \times 4 \div 9 + 16$ $2 \ 4 \ 5 \ 6 \ 7 \ 18 \ 20 \ 36$ $-1 \ \div 2 \ +3 \ \times 3 \ +4$
 $\times 4 \ \div 9 \ +16$ -1



Answer: _____

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8. M $ABCD$ AB AM $MB = 4$ 3 DM CM
 AC BD $BC = 5$ cm $ABCD$ cm^2



Answer: _____ cm^2



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9.

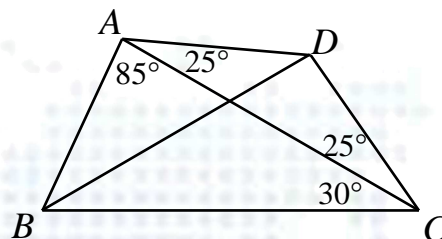


Answer: _____



29th July, 2015, Changchun, China

10. $ABCD$ $\angle DAC = \angle DCA = 25^\circ$, $\angle BAC = 85^\circ$ $\angle ACB = 30^\circ$
 $\angle BDC$



○

Answer: _____