

Π is for Product

Capital pi is used to indicate a product, in the same way that capital sigma indicates a sum.

In this cross-products puzzle, each number above the slash indicates the product of the group of digits to its right; each number below the slash indicates the product of the group below. All digits within a group are different.

		1440	36		15	168		15120	168		24	80	
	18				7			40			2		
I	12		○		10			1344			5040		○
II	720			○				5184	○	○			
III	32	○			126			90720			35		○
					24					18			
				30			378						
	48	180				7					56	120	
	40			36				280					
IV	108			3780				12					
			○		70					48		○	
	270				21					24			
						144					10		
						720					48		
			448						12				
V	24	1440						504			576	70	
	32		○		108			○		6			
VI	2880			○		168			2016		○		
VII	2268						○		8		○		42
	5				21				24				20

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In these cryptic multiplication puzzles, each letter represents a different digit consistently throughout each puzzle. Different puzzles use different codes.

I O G R E
 x W I L D
 O L L G O
 O G R E
 L R A E E
 L L N R A
L G L D G R L O

II T I D Y
 x E L K S
 Y K S Y
 A T I C
 I D Y I
 T D Y K D
T L L S C L S Y

III T H A T
 x W O R D
 R A A A A
 O W W W W
 W E S O E
 S O H T O
S T A T O A N A

IV D A T A
 x E C H O
 A I I T O
 O H I H
 H I H O C
 A E R N E
A I O A D E O O

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V F A S T
 x P U S H
 S E A S T
 R S T D
 A S T D D
 S A E P T
 S F S A T R S T

VI E G G O
 x G A R B
 G O A O S
 G Y O R O
 I G B R O
 T E O S
 I S S A T B S S

VII W E A R
 x T H I S
 S C H I
 I H C S
 H W S A
 T I L C
 T C W T E R I