

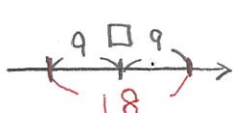
受験算数の計算達人～第23回複数の□を求める計算②（素因数分解）～

氏名： 解答・解説

例題 □に当てはまる数を答えなさい。（□は同じ数）

(1)  $\square \times \square = 144$  素因数分解  
 $\square \times \square = 2 \times 2 \times 2 \times 2 \times 3 \times 3$   
 $\square = 2 \times 2 \times 3 = 12$

(2)  $\square \times \square \times \square = 343$  素因数分解  
 $\square \times \square \times \square = 7 \times 7 \times 7$   
 $\square = 7$

(3)  $(\square + 9) \times (\square - 9) = 144$  素因数分解  
 $(\square + 9) \times (\square - 9) = 2 \times 2 \times 2 \times 2 \times 3 \times 3$   
  
差が18  
 $(\square + 9) \times (\square - 9) = 24 \times 6$   
 $\square + 9 = 24$   
 $\square = 24 - 9 = 15$

(4)  $\square \times (20 + \square) \times 29 = 2001$   
 $\square \times (20 + \square) = 2001 \div 29 = 69$   
 $\square \times (20 + \square) = 69$  素因数分解  
 $\square \times (20 + \square) = 3 \times 23$   
 $\square = 3$

(5)  $\square \times \square + 23 \times 23 = 26 \times 25$   
 $\square \times \square + 23 \times 23 = 26 \times 25$   
 $\square \times \square + 529 = 650$   
 $\square \times \square = 121$   
 $\square \times \square = 121$  素因数分解  
 $\square \times \square = 11 \times 11$   
 $\square = 11$