

# 式の計算の利用

年 組 名前

/10

■ 次の式の空欄に正しい数字をあてはめて、整数の積を求めなさい。

①  $33 \times 47$

$$33 \times 47 = (40 - \square)(40 + \square)$$

$$= \square - \square$$

$$= \square$$

②  $38 \times 22$

$$38 \times 22 = (30 + \square)(30 - \square)$$

$$= \square - \square$$

$$= \square$$

③  $52 \times 48$

$$52 \times 48 = (50 + \square)(50 - \square)$$

$$= \square - \square$$

$$= \square$$

④  $36 \times 44$

$$36 \times 44 = (40 - \square)(40 + \square)$$

$$= \square - \square$$

$$= \square$$

⑤  $21 \times 19$

$$21 \times 19 = (20 + \square)(20 - \square)$$

$$= \square - \square$$

$$= \square$$

⑥  $44 \times 56$

$$44 \times 56 = (50 - \square)(50 + \square)$$

$$= \square - \square$$

$$= \square$$

⑦  $15 \times 25$

$$15 \times 25 = (20 - \square)(20 + \square)$$

$$= \square - \square$$

$$= \square$$

⑧  $33 \times 27$

$$33 \times 27 = (30 + \square)(30 - \square)$$

$$= \square - \square$$

$$= \square$$

⑨  $72 \times 88$

$$72 \times 88 = (80 - \square)(80 + \square)$$

$$= \square - \square$$

$$= \square$$

⑩  $73 \times 67$

$$73 \times 67 = (70 + \square)(70 - \square)$$

$$= \square - \square$$

$$= \square$$

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■ 次の式の空欄に正しい数字をあてはめて、整数の積を求めなさい。

①  $33 \times 47$

$$\begin{aligned} 33 \times 47 &= \left( 40 - \boxed{7} \right) \left( 40 + \boxed{7} \right) \\ &= \boxed{1600} - \boxed{49} \\ &= \boxed{1551} \end{aligned}$$

②  $38 \times 22$

$$\begin{aligned} 38 \times 22 &= \left( 30 + \boxed{8} \right) \left( 30 - \boxed{8} \right) \\ &= \boxed{900} - \boxed{64} \\ &= \boxed{836} \end{aligned}$$

③  $52 \times 48$

$$\begin{aligned} 52 \times 48 &= \left( 50 + \boxed{2} \right) \left( 50 - \boxed{2} \right) \\ &= \boxed{2500} - \boxed{4} \\ &= \boxed{2496} \end{aligned}$$

④  $36 \times 44$

$$\begin{aligned} 36 \times 44 &= \left( 40 - \boxed{4} \right) \left( 40 + \boxed{4} \right) \\ &= \boxed{1600} - \boxed{16} \\ &= \boxed{1584} \end{aligned}$$

⑤  $21 \times 19$

$$\begin{aligned} 21 \times 19 &= \left( 20 + \boxed{1} \right) \left( 20 - \boxed{1} \right) \\ &= \boxed{400} - \boxed{1} \\ &= \boxed{399} \end{aligned}$$

⑥  $44 \times 56$

$$\begin{aligned} 44 \times 56 &= \left( 50 - \boxed{6} \right) \left( 50 + \boxed{6} \right) \\ &= \boxed{2500} - \boxed{36} \\ &= \boxed{2464} \end{aligned}$$

⑦  $15 \times 25$

$$\begin{aligned} 15 \times 25 &= \left( 20 - \boxed{5} \right) \left( 20 + \boxed{5} \right) \\ &= \boxed{400} - \boxed{25} \\ &= \boxed{375} \end{aligned}$$

⑧  $33 \times 27$

$$\begin{aligned} 33 \times 27 &= \left( 30 + \boxed{3} \right) \left( 30 - \boxed{3} \right) \\ &= \boxed{900} - \boxed{9} \\ &= \boxed{891} \end{aligned}$$

⑨  $72 \times 88$

$$\begin{aligned} 72 \times 88 &= \left( 80 - \boxed{8} \right) \left( 80 + \boxed{8} \right) \\ &= \boxed{6400} - \boxed{64} \\ &= \boxed{6336} \end{aligned}$$

⑩  $73 \times 67$

$$\begin{aligned} 73 \times 67 &= \left( 70 + \boxed{3} \right) \left( 70 - \boxed{3} \right) \\ &= \boxed{4900} - \boxed{9} \\ &= \boxed{4891} \end{aligned}$$