

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 49×51

$$49 \times 51 = (50 - \square)(50 + \square)$$

$$= \square - \square$$

$$= \square$$

② 25×15

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

$$= \square - \square$$

$$= \square$$

③ 33×27

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

$$= \square - \square$$

$$= \square$$

④ 44×56

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

$$= \square - \square$$

$$= \square$$

⑤ 47×33

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

$$= \square - \square$$

$$= \square$$

⑥ 36×44

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

$$= \square - \square$$

$$= \square$$

⑦ 38×22

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

$$= \square - \square$$

$$= \square$$

⑧ 18×22

$$18 \times 22 = (20 - \square)(20 + \square)$$

$$= \square - \square$$

$$= \square$$

⑨ 81×79

$$81 \times 79 = (80 + \square)(80 - \square)$$

$$= \square - \square$$

$$= \square$$

⑩ 54×66

$$54 \times 66 = (60 - \square)(60 + \square)$$

$$= \square - \square$$

$$= \square$$

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① 49×51

$$\begin{aligned}
 49 \times 51 &= \left(50 - \boxed{1} \right) \left(50 + \boxed{1} \right) \\
 &= \boxed{2500} - \boxed{1} \\
 &= \boxed{2499}
 \end{aligned}$$

② 25×15

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

③ 33×27

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

④ 44×56

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

⑤ 47×33

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

⑥ 36×44

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

⑦ 38×22

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

⑧ 18×22

$$\begin{aligned}
 18 \times 22 &= \left(20 - \boxed{2} \right) \left(20 + \boxed{2} \right) \\
 &= \boxed{400} - \boxed{4} \\
 &= \boxed{396}
 \end{aligned}$$

⑨ 81×79

$$\begin{aligned}
 81 \times 79 &= \left(80 + \boxed{1} \right) \left(80 - \boxed{1} \right) \\
 &= \boxed{6400} - \boxed{1} \\
 &= \boxed{6399}
 \end{aligned}$$

⑩ 54×66

$$\begin{aligned}
 54 \times 66 &= \left(60 - \boxed{6} \right) \left(60 + \boxed{6} \right) \\
 &= \boxed{3600} - \boxed{36} \\
 &= \boxed{3564}
 \end{aligned}$$