

素因数分解

____年 ____組 名前 _____

/20

■ 次の整数を素因数分解したとき、 にあてはまる数を答えなさい。

$$\textcircled{1} 12 = 2^{\square} \times \square$$

$$\textcircled{2} 49 = \square^{\square}$$

$$\textcircled{3} 84 = 2^{\square} \times 3 \times \square$$

$$\textcircled{4} 100 = 2^{\square} \times 5^{\square}$$

$$\textcircled{5} 144 = 2^{\square} \times 3^{\square}$$

$$\textcircled{6} 147 = 3 \times 7^{\square}$$

$$\textcircled{7} 171 = 3^{\square} \times \square$$

$$\textcircled{8} 250 = 2 \times 5^{\square}$$

$$\textcircled{9} 343 = \square^{\square}$$

$$\textcircled{10} 369 = 3^{\square} \times \square$$

$$\textcircled{11} 392 = 2^{\square} \times 7^{\square}$$

$$\textcircled{12} 400 = 2^{\square} \times 5^{\square}$$

$$\textcircled{13} 416 = 2^{\square} \times \square$$

$$\textcircled{14} 464 = 2^{\square} \times \square$$

$$\textcircled{15} 496 = 2^{\square} \times \square$$

$$\textcircled{16} 550 = 2 \times 5^{\square} \times \square$$

$$\textcircled{17} 744 = 2^{\square} \times 3 \times \square$$

$$\textcircled{18} 750 = 2 \times 3 \times 5^{\square}$$

$$\textcircled{19} 846 = 2 \times 3^{\square} \times \square$$

$$\textcircled{20} 855 = 3^{\square} \times 5 \times \square$$

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■ 次の整数を素因数分解したとき、 にあてはまる数を答えなさい。

$$\textcircled{1} 12 = 2^{\boxed{2}} \times \boxed{3}$$

$$\textcircled{2} 49 = \boxed{7}^{\boxed{2}}$$

$$\textcircled{3} 84 = 2^{\boxed{2}} \times 3 \times \boxed{7}$$

$$\textcircled{4} 100 = 2^{\boxed{2}} \times 5^{\boxed{2}}$$

$$\textcircled{5} 144 = 2^{\boxed{4}} \times 3^{\boxed{2}}$$

$$\textcircled{6} 147 = 3 \times 7^{\boxed{2}}$$

$$\textcircled{7} 171 = 3^{\boxed{2}} \times \boxed{19}$$

$$\textcircled{8} 250 = 2 \times 5^{\boxed{3}}$$

$$\textcircled{9} 343 = \boxed{7}^{\boxed{3}}$$

$$\textcircled{10} 369 = 3^{\boxed{2}} \times \boxed{41}$$

$$\textcircled{11} 392 = 2^{\boxed{3}} \times 7^{\boxed{2}}$$

$$\textcircled{12} 400 = 2^{\boxed{4}} \times 5^{\boxed{2}}$$

$$\textcircled{13} 416 = 2^{\boxed{5}} \times \boxed{13}$$

$$\textcircled{14} 464 = 2^{\boxed{4}} \times \boxed{29}$$

$$\textcircled{15} 496 = 2^{\boxed{4}} \times \boxed{31}$$

$$\textcircled{16} 550 = 2 \times 5^{\boxed{2}} \times \boxed{11}$$

$$\textcircled{17} 744 = 2^{\boxed{3}} \times 3 \times \boxed{31}$$

$$\textcircled{18} 750 = 2 \times 3 \times 5^{\boxed{3}}$$

$$\textcircled{19} 846 = 2 \times 3^{\boxed{2}} \times \boxed{47}$$

$$\textcircled{20} 855 = 3^{\boxed{2}} \times 5 \times \boxed{19}$$