

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。

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

$$\textcircled{2} 27 = \square^{\square}$$

$$\textcircled{3} 44 = 2^{\square} \times \square$$

$$\textcircled{4} 56 = 2^{\square} \times \square$$

$$\textcircled{5} 63 = 3^{\square} \times \square$$

$$\textcircled{6} 126 = 2 \times 3^{\square} \times \square$$

$$\textcircled{7} 152 = 2^{\square} \times \square$$

$$\textcircled{8} 168 = 2^{\square} \times 3 \times \square$$

$$\textcircled{9} 172 = 2^{\square} \times \square$$

$$\textcircled{10} 175 = 5^{\square} \times \square$$

$$\textcircled{11} 240 = 2^{\square} \times 3 \times \square$$

$$\textcircled{12} 288 = 2^{\square} \times 3^{\square}$$

$$\textcircled{13} 460 = 2^{\square} \times 5 \times \square$$

$$\textcircled{14} 608 = 2^{\square} \times \square$$

$$\textcircled{15} 675 = 3^{\square} \times 5^{\square}$$

$$\textcircled{16} 735 = 3 \times 5 \times 7^{\square}$$

$$\textcircled{17} 812 = 2^{\square} \times 7 \times \square$$

$$\textcircled{18} 864 = 2^{\square} \times 3^{\square}$$

$$\textcircled{19} 868 = 2^{\square} \times 7 \times \square$$

$$\textcircled{20} 928 = 2^{\square} \times \square$$

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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。

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

$$\textcircled{2} 27 = \boxed{3}^{\boxed{3}}$$

$$\textcircled{3} 44 = 2^{\boxed{2}} \times \boxed{11}$$

$$\textcircled{4} 56 = 2^{\boxed{3}} \times \boxed{7}$$

$$\textcircled{5} 63 = 3^{\boxed{2}} \times \boxed{7}$$

$$\textcircled{6} 126 = 2 \times 3^{\boxed{2}} \times \boxed{7}$$

$$\textcircled{7} 152 = 2^{\boxed{3}} \times \boxed{19}$$

$$\textcircled{8} 168 = 2^{\boxed{3}} \times 3 \times \boxed{7}$$

$$\textcircled{9} 172 = 2^{\boxed{2}} \times \boxed{43}$$

$$\textcircled{10} 175 = 5^{\boxed{2}} \times \boxed{7}$$

$$\textcircled{11} 240 = 2^{\boxed{4}} \times 3 \times \boxed{5}$$

$$\textcircled{12} 288 = 2^{\boxed{5}} \times 3^{\boxed{2}}$$

$$\textcircled{13} 460 = 2^{\boxed{2}} \times 5 \times \boxed{23}$$

$$\textcircled{14} 608 = 2^{\boxed{5}} \times \boxed{19}$$

$$\textcircled{15} 675 = 3^{\boxed{3}} \times 5^{\boxed{2}}$$

$$\textcircled{16} 735 = 3 \times 5 \times 7^{\boxed{2}}$$

$$\textcircled{17} 812 = 2^{\boxed{2}} \times 7 \times \boxed{29}$$

$$\textcircled{18} 864 = 2^{\boxed{5}} \times 3^{\boxed{3}}$$

$$\textcircled{19} 868 = 2^{\boxed{2}} \times 7 \times \boxed{31}$$

$$\textcircled{20} 928 = 2^{\boxed{5}} \times \boxed{29}$$