

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。

$$\textcircled{1} 24 = 2^{\square} \times \square$$

$$\textcircled{2} 88 = 2^{\square} \times \square$$

$$\textcircled{3} 120 = 2^{\square} \times 3 \times \square$$

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

$$\textcircled{5} 147 = 3 \times 7^{\square}$$

$$\textcircled{6} 189 = 3^{\square} \times \square$$

$$\textcircled{7} 225 = 3^{\square} \times 5^{\square}$$

$$\textcircled{8} 256 = \square^{\square}$$

$$\textcircled{9} 276 = 2^{\square} \times 3 \times \square$$

$$\textcircled{10} 300 = 2^{\square} \times 3 \times 5^{\square}$$

$$\textcircled{11} 315 = 3^{\square} \times 5 \times \square$$

$$\textcircled{12} 340 = 2^{\square} \times 5 \times \square$$

$$\textcircled{13} 512 = \square^{\square}$$

$$\textcircled{14} 544 = 2^{\square} \times \square$$

$$\textcircled{15} 580 = 2^{\square} \times 5 \times \square$$

$$\textcircled{16} 630 = 2 \times 3^{\square} \times 5 \times \square$$

$$\textcircled{17} 800 = 2^{\square} \times 5^{\square}$$

$$\textcircled{18} 833 = 7^{\square} \times \square$$

$$\textcircled{19} 936 = 2^{\square} \times 3^{\square} \times \square$$

$$\textcircled{20} 972 = 2^{\square} \times 3^{\square}$$

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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。

$$\textcircled{1} 24 = 2^{\boxed{3}} \times \boxed{3}$$

$$\textcircled{2} 88 = 2^{\boxed{3}} \times \boxed{11}$$

$$\textcircled{3} 120 = 2^{\boxed{3}} \times 3 \times \boxed{5}$$

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

$$\textcircled{5} 147 = 3 \times 7^{\boxed{2}}$$

$$\textcircled{6} 189 = 3^{\boxed{3}} \times \boxed{7}$$

$$\textcircled{7} 225 = 3^{\boxed{2}} \times 5^{\boxed{2}}$$

$$\textcircled{8} 256 = \boxed{2}^{\boxed{8}}$$

$$\textcircled{9} 276 = 2^{\boxed{2}} \times 3 \times \boxed{23}$$

$$\textcircled{10} 300 = 2^{\boxed{2}} \times 3 \times 5^{\boxed{2}}$$

$$\textcircled{11} 315 = 3^{\boxed{2}} \times 5 \times \boxed{7}$$

$$\textcircled{12} 340 = 2^{\boxed{2}} \times 5 \times \boxed{17}$$

$$\textcircled{13} 512 = \boxed{2}^{\boxed{9}}$$

$$\textcircled{14} 544 = 2^{\boxed{5}} \times \boxed{17}$$

$$\textcircled{15} 580 = 2^{\boxed{2}} \times 5 \times \boxed{29}$$

$$\textcircled{16} 630 = 2 \times 3^{\boxed{2}} \times 5 \times \boxed{7}$$

$$\textcircled{17} 800 = 2^{\boxed{5}} \times 5^{\boxed{2}}$$

$$\textcircled{18} 833 = 7^{\boxed{2}} \times \boxed{17}$$

$$\textcircled{19} 936 = 2^{\boxed{3}} \times 3^{\boxed{2}} \times \boxed{13}$$

$$\textcircled{20} 972 = 2^{\boxed{2}} \times 3^{\boxed{5}}$$