

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。

$$\textcircled{1} 16 = 2^{\square} \times \square$$

$$\textcircled{2} 48 = 2^{\square} \times \square$$

$$\textcircled{3} 92 = 2^{\square} \times \square$$

$$\textcircled{4} 99 = 3^{\square} \times \square$$

$$\textcircled{5} 152 = 2^{\square} \times \square$$

$$\textcircled{6} 156 = 2^{\square} \times 3 \times \square$$

$$\textcircled{7} 188 = 2^{\square} \times \square$$

$$\textcircled{8} 204 = 2^{\square} \times 3 \times \square$$

$$\textcircled{9} 300 = 2^{\square} \times 3 \times 5^{\square}$$

$$\textcircled{10} 324 = 2^{\square} \times 3^{\square}$$

$$\textcircled{11} 340 = 2^{\square} \times 5 \times \square$$

$$\textcircled{12} 464 = 2^{\square} \times \square$$

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

$$\textcircled{14} 567 = 3^{\square} \times \square$$

$$\textcircled{15} 600 = 2^{\square} \times 3 \times 5^{\square}$$

$$\textcircled{16} 648 = 2^{\square} \times 3^{\square}$$

$$\textcircled{17} 675 = 3^{\square} \times 5^{\square}$$

$$\textcircled{18} 720 = 2^{\square} \times 3^{\square} \times \square$$

$$\textcircled{19} 812 = 2^{\square} \times 7 \times \square$$

$$\textcircled{20} 896 = 2^{\square} \times \square$$

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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。

$$\textcircled{1} 16 = 2^4 \times \boxed{1}$$

$$\textcircled{2} 48 = 2^4 \times \boxed{3}$$

$$\textcircled{3} 92 = 2^2 \times \boxed{23}$$

$$\textcircled{4} 99 = 3^2 \times \boxed{11}$$

$$\textcircled{5} 152 = 2^3 \times \boxed{19}$$

$$\textcircled{6} 156 = 2^2 \times 3 \times \boxed{13}$$

$$\textcircled{7} 188 = 2^2 \times \boxed{47}$$

$$\textcircled{8} 204 = 2^2 \times 3 \times \boxed{17}$$

$$\textcircled{9} 300 = 2^2 \times 3 \times 5^2$$

$$\textcircled{10} 324 = 2^2 \times 3^4$$

$$\textcircled{11} 340 = 2^2 \times 5 \times \boxed{17}$$

$$\textcircled{12} 464 = 2^4 \times \boxed{29}$$

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

$$\textcircled{14} 567 = 3^4 \times \boxed{7}$$

$$\textcircled{15} 600 = 2^3 \times 3 \times 5^2$$

$$\textcircled{16} 648 = 2^3 \times 3^4$$

$$\textcircled{17} 675 = 3^3 \times 5^2$$

$$\textcircled{18} 720 = 2^4 \times 3^2 \times \boxed{5}$$

$$\textcircled{19} 812 = 2^2 \times 7 \times \boxed{29}$$

$$\textcircled{20} 896 = 2^7 \times \boxed{7}$$