

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。

① $18 = 2 \times 3^{\square}$

② $25 = \square^{\square}$

③ $28 = 2^{\square} \times \square$

④ $32 = \square^{\square}$

⑤ $44 = 2^{\square} \times \square$

⑥ $50 = 2 \times 5^{\square}$

⑦ $108 = 2^{\square} \times 3^{\square}$

⑧ $220 = 2^{\square} \times 5 \times \square$

⑨ $280 = 2^{\square} \times 5 \times \square$

⑩ $308 = 2^{\square} \times 7 \times \square$

⑪ $324 = 2^{\square} \times 3^{\square}$

⑫ $360 = 2^{\square} \times 3^{\square} \times \square$

⑬ $441 = 3^{\square} \times 7^{\square}$

⑭ $460 = 2^{\square} \times 5 \times \square$

⑮ $490 = 2 \times 5 \times 7^{\square}$

⑯ $686 = 2 \times 7^{\square}$

⑰ $832 = 2^{\square} \times \square$

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

⑲ $888 = 2^{\square} \times 3 \times \square$

⑳ $945 = 3^{\square} \times 5 \times \square$

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$$\textcircled{1} 18 = 2 \times 3^{\boxed{2}}$$

$$\textcircled{2} 25 = \boxed{5}^{\boxed{2}}$$

$$\textcircled{3} 28 = 2^{\boxed{2}} \times \boxed{7}$$

$$\textcircled{4} 32 = \boxed{2}^{\boxed{5}}$$

$$\textcircled{5} 44 = 2^{\boxed{2}} \times \boxed{11}$$

$$\textcircled{6} 50 = 2 \times 5^{\boxed{2}}$$

$$\textcircled{7} 108 = 2^{\boxed{2}} \times 3^{\boxed{3}}$$

$$\textcircled{8} 220 = 2^{\boxed{2}} \times 5 \times \boxed{11}$$

$$\textcircled{9} 280 = 2^{\boxed{3}} \times 5 \times \boxed{7}$$

$$\textcircled{10} 308 = 2^{\boxed{2}} \times 7 \times \boxed{11}$$

$$\textcircled{11} 324 = 2^{\boxed{2}} \times 3^{\boxed{4}}$$

$$\textcircled{12} 360 = 2^{\boxed{3}} \times 3^{\boxed{2}} \times \boxed{5}$$

$$\textcircled{13} 441 = 3^{\boxed{2}} \times 7^{\boxed{2}}$$

$$\textcircled{14} 460 = 2^{\boxed{2}} \times 5 \times \boxed{23}$$

$$\textcircled{15} 490 = 2 \times 5 \times 7^{\boxed{2}}$$

$$\textcircled{16} 686 = 2 \times 7^{\boxed{3}}$$

$$\textcircled{17} 832 = 2^{\boxed{6}} \times \boxed{13}$$

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

$$\textcircled{19} 888 = 2^{\boxed{3}} \times 3 \times \boxed{37}$$

$$\textcircled{20} 945 = 3^{\boxed{3}} \times 5 \times \boxed{7}$$