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

② $28 = 2^{\square} \times \square$

③ $45 = 3^{\square} \times \square$

④ $63 = 3^{\square} \times \square$

⑤ $108 = 2^{\square} \times 3^{\square}$

⑥ $125 = \square^{\square}$

⑦ $128 = \square^{\square}$

⑧ $192 = 2^{\square} \times \square$

⑨ $208 = 2^{\square} \times \square$

⑩ $225 = 3^{\square} \times 5^{\square}$

⑪ $248 = 2^{\square} \times \square$

⑫ $297 = 3^{\square} \times \square$

⑬ $306 = 2 \times 3^{\square} \times \square$

⑭ $558 = 2 \times 3^{\square} \times \square$

⑮ $666 = 2 \times 3^{\square} \times \square$

⑯ $675 = 3^{\square} \times 5^{\square}$

⑰ $688 = 2^{\square} \times \square$

⑱ $735 = 3 \times 5 \times 7^{\square}$

⑲ $756 = 2^{\square} \times 3^{\square} \times \square$

⑳ $784 = 2^{\square} \times 7^{\square}$

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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。

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

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

③ $45 = 3^{\boxed{2}} \times \boxed{5}$

④ $63 = 3^{\boxed{2}} \times \boxed{7}$

⑤ $108 = 2^{\boxed{2}} \times 3^{\boxed{3}}$

⑥ $125 = \boxed{5}^{\boxed{3}}$

⑦ $128 = \boxed{2}^{\boxed{7}}$

⑧ $192 = 2^{\boxed{6}} \times \boxed{3}$

⑨ $208 = 2^{\boxed{4}} \times \boxed{13}$

⑩ $225 = 3^{\boxed{2}} \times 5^{\boxed{2}}$

⑪ $248 = 2^{\boxed{3}} \times \boxed{31}$

⑫ $297 = 3^{\boxed{3}} \times \boxed{11}$

⑬ $306 = 2 \times 3^{\boxed{2}} \times \boxed{17}$

⑭ $558 = 2 \times 3^{\boxed{2}} \times \boxed{31}$

⑮ $666 = 2 \times 3^{\boxed{2}} \times \boxed{37}$

⑯ $675 = 3^{\boxed{3}} \times 5^{\boxed{2}}$

⑰ $688 = 2^{\boxed{4}} \times \boxed{43}$

⑱ $735 = 3 \times 5 \times 7^{\boxed{2}}$

⑲ $756 = 2^{\boxed{2}} \times 3^{\boxed{3}} \times \boxed{7}$

⑳ $784 = 2^{\boxed{4}} \times 7^{\boxed{2}}$