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 $32 = \square^{\square}$

② $36 = 2^{\square} \times 3^{\square}$

③ $68 = 2^{\square} \times \square$

④ $135 = 3^{\square} \times \square$

⑤ $162 = 2 \times 3^{\square}$

⑥ $175 = 5^{\square} \times \square$

⑦ $180 = 2^{\square} \times 3^{\square} \times \square$

⑧ $184 = 2^{\square} \times \square$

⑨ $225 = 3^{\square} \times 5^{\square}$

⑩ $228 = 2^{\square} \times 3 \times \square$

⑪ $234 = 2 \times 3^{\square} \times \square$

⑫ $245 = 5 \times 7^{\square}$

⑬ $324 = 2^{\square} \times 3^{\square}$

⑭ $340 = 2^{\square} \times 5 \times \square$

⑮ $344 = 2^{\square} \times \square$

⑯ $464 = 2^{\square} \times \square$

⑰ $500 = 2^{\square} \times 5^{\square}$

⑱ $525 = 3 \times 5^{\square} \times \square$

⑲ $832 = 2^{\square} \times \square$

⑳ $980 = 2^{\square} \times 5 \times 7^{\square}$

素因数分解

年　組　名前

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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 $32 = 2^{5}$

② $36 = 2^{2} \times 3^{2}$

③ $68 = 2^{2} \times 17$

④ $135 = 3^{3} \times 5$

⑤ $162 = 2 \times 3^{4}$

⑥ $175 = 5^{2} \times 7$

⑦ $180 = 2^{2} \times 3^{2} \times 5$

⑧ $184 = 2^{3} \times 23$

⑨ $225 = 3^{2} \times 5^{2}$

⑩ $228 = 2^{2} \times 3 \times 19$

⑪ $234 = 2 \times 3^{2} \times 13$

⑫ $245 = 5 \times 7^{2}$

⑬ $324 = 2^{2} \times 3^{4}$

⑭ $340 = 2^{2} \times 5 \times 17$

⑮ $344 = 2^{3} \times 43$

⑯ $464 = 2^{4} \times 29$

⑰ $500 = 2^{2} \times 5^{3}$

⑱ $525 = 3 \times 5^{2} \times 7$

⑲ $832 = 2^{6} \times 13$

⑳ $980 = 2^{2} \times 5 \times 7^{2}$