MATH MONKS

Distributive
——— Law of Multiplication ———

Use the **distributive property** to find each product.

① $18 \times 2 = (\underline{10} + \underline{8}) \times \underline{2} = (\underline{10} \times \underline{2}) + (\underline{8} \times \underline{2}) = \underline{20} + \underline{16} = \underline{36}$

② $24 \times 4 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

③ $27 \times 5 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

④ $54 \times 6 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑤ $68 \times 2 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑥ $75 \times 4 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑦ $88 \times 6 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑧ $22 \times 8 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑨ $35 \times 5 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

⑩ $12 \times 8 = (\underline{} + \underline{}) \times \underline{} = (\underline{} \times \underline{}) + (\underline{} \times \underline{}) = \underline{} + \underline{} = \underline{}$

Name : _____

Score : _____   Date : _____

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Answers

① $18 \times 2 = (10 + 8) \times 2 = (10 \times 2) + (8 \times 2) = 20 + 16 = 36$

② $24 \times 4 = (20 + 4) \times 4 = (20 \times 4) + (4 \times 4) = 80 + 16 = 96$

③ $27 \times 5 = (20 + 7) \times 5 = (20 \times 5) + (7 \times 5) = 100 + 35 = 135$

④ $54 \times 6 = (50 + 4) \times 6 = (50 \times 6) + (4 \times 6) = 300 + 24 = 324$

⑤ $68 \times 2 = (60 + 8) \times 2 = (60 \times 2) + (8 \times 2) = 120 + 16 = 136$

⑥ $75 \times 4 = (70 + 5) \times 4 = (70 \times 4) + (5 \times 4) = 280 + 20 = 300$

⑦ $88 \times 6 = (80 + 8) \times 6 = (80 \times 6) + (8 \times 6) = 480 + 48 = 528$

⑧ $22 \times 8 = (20 + 2) \times 8 = (20 \times 8) + (2 \times 8) = 160 + 16 = 176$

⑨ $35 \times 5 = (30 + 5) \times 5 = (30 \times 5) + (5 \times 5) = 150 + 25 = 175$

⑩ $12 \times 8 = (10 + 2) \times 8 = (10 \times 8) + (2 \times 8) = 80 + 16 = 96$