

Name: _____

Date: _____ Score: _____

Practice Worksheet on Significant Figures

Determine the significant figures in each of these numbers.

① 8120 _____ ② 6.8×10^3 _____ ③ 1000 _____

④ 0.03 _____ ⑤ 918.010 _____ ⑥ 780 _____

⑦ 0.002110 _____ ⑧ 0.00030 _____ ⑨ 890 _____

⑩ 15.0×10^{-5} _____ ⑪ 3.4×10^4 _____ ⑫ 818.020 _____

⑬ 4.6×10^{-5} _____ ⑭ 0.00800 _____ ⑮ 3.200×10^9 _____

Perform the following operations and round your answer to the correct number of significant figures.

⑯ $39.3 - 0.804 =$ _____ ⑰ $38 \div 7 =$ _____

⑱ $10.0 \times 0.02 =$ _____ ⑲ $8088 \times 0.4 =$ _____

⑳ $7.331 + 12.42 =$ _____ ㉑ $19.6 - 8.77 =$ _____

㉒ $31.2 \times 4.1 =$ _____ ㉓ $35.45 \times 6.1 =$ _____

㉔ $66.6 \div 11.1 =$ _____ ㉕ $24.6 + 58.3 =$ _____

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Answers

① 8120 3 ② 6.8×10^3 2 ③ 1000 1

④ 0.03 1 ⑤ 918.010 6 ⑥ 780 2

⑦ 0.002110 4 ⑧ 0.00030 2 ⑨ 890 2

⑩ 15.0×10^{-5} 2 ⑪ 3.4×10^4 2 ⑫ 818.020 6

⑬ 4.6×10^{-5} 2 ⑭ 0.00800 3 ⑮ 3.200×10^9 3

Answers

⑯ $39.3 - 0.804 =$ 38.5 ⑰ $38 \div 7 =$ 5

⑱ $10.0 \times 0.02 =$ 0.2 ⑲ $8088 \times 0.4 =$ 3000

⑳ $7.331 + 12.42 =$ 19.75 ㉑ $19.6 - 8.77 =$ 10.8

㉒ $31.2 \times 4.1 =$ 130 ㉓ $35.45 \times 6.1 =$ 220

㉔ $66.6 \div 11.1 =$ 6 ㉕ $24.6 + 58.3 =$ 82.9