



Unleashing Innovation Through STEM Education

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Lesson: Scientific Notation – Middle School

Name:

Teacher:

Date:

1. Add within scientific notation $5.2 \times 10^7 + 3.01 \times 10^4$
 - a) $.520301 \times 10^7$
 - b) 5.20301×10^7
 - c) 5.20301×10^8
 - d) 5.20301×10^{11}
2. Write the answer in scientific notation. $7.3 \times 10^5 + 3.7 \times 10^5 =$
 - a) 1.1×10^6
 - b) 1.1×10^{10}
 - c) 1.10×10^{11}
 - d) 11.0×10^5
3. $(2.3 \times 10^2) + (4.1 \times 10^2) =$
 - a) 0.64×10^1
 - b) 6.4×10^0
 - c) 6.4×10^4
 - d) 6.4×10^2
4. Write the answer in scientific notation. $4.1 \times 10^5 + 5.5 \times 10^6 =$
 - a) 9.6×10^5
 - b) 5.91×10^6
 - c) 9.6×10^6
 - d) 4.65×10^5



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11. Simplify: $(6.8 \times 10^{-3}) + (1.2 \times 10^{-2})$

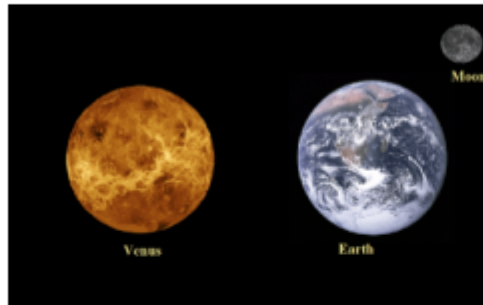
a) 1.88×10^{-3}

b) 5×10^2

c) 8.16×10^{-3}

d) 1.88×10^{-2}

12.



Find the combined mass of Earth and Venus. Earth is approximately 5.9×10^{24} kg and Venus is approximately 4.9×10^{24} kg.

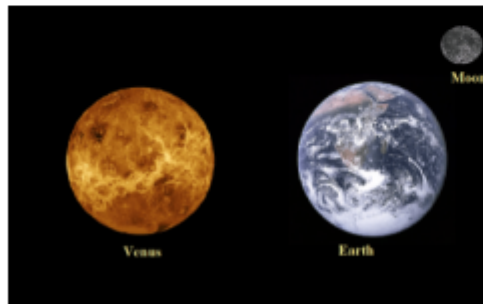
a) Subtract

b) Multiply

c) Add

d) Divide

13.



Find the combined mass of Earth and Venus. Earth is approximately 5.9×10^{24} kg and Venus is approximately 4.9×10^{24} kg.

a) Multiply

b) Subtract

c) Add

d) Divide



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- 15.



- 16.

- 17.





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Answer Keys

1. b) 5.20301×10^7

2. a) 1.1×10^6

3. d) 6.4×10^2

4. c) 9.6×10^6

5. a) 3.31×10^8

6. c) 2.035×10^4

7. a) 5.6×10^{10}

8. c) 5×10^{-4}

9. d) 8,317,000

10. b) 1.02×10^9

11. d) 1.88×10^{-2}

12. c) Add

13. c) Add

14. d) 1.105×10^4

15. b) Subtract

16. d) 1.22×10^5

17. b) Subtract