

Math Sheet

Name _____ Score _____ / 20 Teacher _____ Date _____

Multiply and Divide with Significant Figures

Calculate exactly, then round once to the fewest significant digits.

Half even: an exact tie goes to an even last digit.

Whole-number trailing zeroes without a decimal mark do not count on this sheet. Scientific notation makes intended precision explicit.

1. 2.85×1.0

11. 74.161×8123

2. $1.20 \times 2.0 \times 3.00$

12. 22.51×18.99

3. $38.46 \times 94.72 \times 49.6$

13. $73.901 \div 90.6018$

4. $59.9928 \times 33 \times 57.41$

14. $506 \div 92.855$

5. $17.039 \times 43.138 \times 85.1$

15. 44.88×79.7969

6. $94.56 \times 14.23 \times 3153$

16. 12.4×92.9929

7. 9999×0.0001

17. $12.4457 \times 8535 \times 86.213$

8. $1.00 \div 3.0$

18. $6.0561 \times 4965 \times 629$

9. $0.0001 \div 9999$

19. $12.2431 \div 2933$

10. $69.0246 \div 3009$

20. 37.5×43.2043

Math Sheet

Name _____ Score _____ / 20 Teacher _____ Date _____

Multiply and Divide with Significant Figures

Answer key

Calculate exactly, then round once to the fewest significant digits.

Half even: an exact tie goes to an even last digit.

Whole-number trailing zeroes without a decimal mark do not count on this sheet. Scientific notation makes intended precision explicit.

1. 2.85×1.0

Target digits: 2

2.8

2. $1.20 \times 2.0 \times 3.00$

Target digits: 2

7.2

3. $38.46 \times 94.72 \times 49.6$

Target digits: 3

1.81×10^5

4. $59.9928 \times 33 \times 57.41$

Target digits: 2

1.1×10^5

5. $17.039 \times 43.138 \times 85.1$

Target digits: 3

6.26×10^4

6. $94.56 \times 14.23 \times 3153$

Target digits: 4

4.243×10^6

7. 9999×0.0001

Target digits: 1

1

8. $1.00 \div 3.0$

Target digits: 2

0.33

9. $0.0001 \div 9999$

Target digits: 1

1×10^{-8}

10. $69.0246 \div 3009$

Target digits: 4

0.02294

11. 74.161×8123

Target digits: 4

6.024×10^5

12. 22.51×18.99

Target digits: 4

427.5

13. $73.901 \div 90.6018$

Target digits: 5

0.81567

14. $506 \div 92.855$

Target digits: 3

5.45

15. 44.88×79.7969

Target digits: 4

3.581×10^3

16. 12.4×92.9929

Target digits: 3

1.15×10^3

17. $12.4457 \times 8535 \times 86.213$

Target digits: 4

9.158×10^6

18. $6.0561 \times 4965 \times 629$

Target digits: 3

1.89×10^7

19. $12.2431 \div 2933$

Target digits: 4

0.004174

20. 37.5×43.2043

Target digits: 3

1.62×10^3