

Multiplying & Dividing by Powers of Ten (C)



ANSWERS

Section A

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|----------------------------|-----------------------------|--|
| 1) $3 \times 10^2 = 300$ | 4) $1.2 \times 10^2 = 120$ | 7) $6.04 \times 10^3 = 6040$ |
| 2) $6 \times 10^2 = 600$ | 5) $7.2 \times 10^3 = 7200$ | 8) $12.122 \times 10^5 = 1212200$ |
| 3) $11 \times 10^2 = 1100$ | 6) $8.01 \times 10^2 = 801$ | 9) $48.005 \times 10^6 =$
48005000 |

Section B

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|--------------------------|--------------------------------|---|
| 1) $30 \div 10^2 = 0.3$ | 4) $0.72 \div 10^2 = 0.0072$ | 7) $425 \div 10^3 = 0.425$ |
| 2) $42 \div 10^2 = 0.42$ | 5) $1832 \div 10^4 = 0.1832$ | 8) $150.3 \div 10^5 = 0.001503$ |
| 3) $900 \div 10^2 = 9$ | 6) $0.009 \div 10^2 = 0.00009$ | 9) $9041.5 \div 10^6 =$
0.0090415 |

Section C

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|-------------------------|-------------------------------|-------------------------------|
| 1) $30 \times 0.1 = 3$ | 4) $46 \times 0.01 = 0.46$ | 7) $450 \times 0.001 = 0.450$ |
| 2) $50 \times 0.1 = 5$ | 5) $99.2 \times 0.01 = 0.992$ | 8) $80.9 \times 0.01 = 0.809$ |
| 3) $7 \times 0.1 = 0.7$ | 6) $0.1 \times 0.01 = 0.001$ | 9) $0.2 \times 0.1 = 0.02$ |

Section D

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|------------------------|----------------------------|------------------------------|
| 1) $30 \div 0.1 = 300$ | 4) $75 \div 0.1 = 750$ | 7) $450 \div 0.001 = 450000$ |
| 2) $50 \div 0.1 = 500$ | 5) $99.2 \div 0.01 = 9920$ | 8) $31.9 \div 0.001 = 31900$ |
| 3) $7 \div 0.1 = 70$ | 6) $80.9 \div 0.01 = 8090$ | 9) $0.2 \div 0.1 = 2$ |

Section E

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|--------------------------------|--------------------------------|----------------------------|
| 1) $5.12 \times 10^2 = 512$ | 5) $902.1 \div 10^4 = 0.09021$ | 8) $0.07 \times 10^3 = 70$ |
| 2) $0.009 \times 0.1 = 0.0009$ | 6) $10^3 \times 10^2 = 100000$ | 9) $0.017 \div 0.01 = 1.7$ |
| 3) $0.05 \times 10^4 = 500$ | | |
| 4) $45.1 \div 0.01 = 4510$ | 7) $2.8 \times 0.001 = 0.0028$ | |