



Multiplying and Dividing Powers of Ten

Unit 5, Station 1, Round 1, Task 3

Solve each problem.

1) $77,300 \div 10^1$

2) $6,690,000 \div 10^2$

3) $200,000 \div 10^3$

4) $6,140,000 \div 10^4$

5) $650,000 \div 10^3$

6) $5,800,000 \div 10^3$

7) $53,000 \div 10^1$

8) $970,000 \div 10^3$

9) $1,460,000 \div 10^3$

10) $980,000 \div 10^2$

11) $50 \div 10^1$

12) $8,260 \div 10^1$

13) $864,000,000 \div 10^4$

14) $100 \div 10^2$

15) $117,000,000 \div 10^4$

16) $431,000 \div 10^1$

17) $40,000 \div 10^4$

18) $950,000 \div 10^4$

19) $20,000 \div 10^2$

20) $3,100,000 \div 10^3$

1. 7,730

2. 66,900

3. 200

4. 614

5. 650

6. 5,800

7. 5,300

8. 970

9. 1,460

10. 9,800

11. 5

12. 826

13. 86,400

14. 1

15. 11,700

16. 43,100

17. 4

18. 95

19. 200

20. 3,100



Solve each problem.

$$5.47 \times 10^4$$

This is the same as saying:
 $5.47 \times (10 \times 10 \times 10 \times 10)$
 And because the base is 10 you can
 just move the decimal 4 places to
 the right to solve.

$$\underline{54700.}$$

$$5.47 \times 10^4 = 54,700$$

$$2.36 \div 10^2$$

Division is the same way. Only
 instead of moving the decimal
 right, you move it left.

$$\underline{.0236}$$

You can also multiply a negative
 exponent, which means the same
 thing.

$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

1. 0.006155

2. 0.76

3. 0.8568

4. 0.0256

5. 0.00595

6. 0.0243

7. 0.0711

8. 0.54127

9. 0.096365

10. 0.5559

11. 16.2979

12. 0.812

13. 32.3259

14. 0.04541

15. 0.0008921

16. 22.39

17. 0.04283

18. 67.673

19. 6.82391

20. 8.735

1) $6.155 \div 10^3$

2) $7.6 \div 10^1$

3) $85.68 \div 10^2$

4) $2.56 \div 10^2$

5) $5.95 \div 10^3$

6) $2.43 \div 10^2$

7) $71.1 \div 10^3$

8) $1.127 \div 10^2$

9) $963.65 \div 10^4$

10) $555.9 \div 10^3$

11) $162.979 \div 10^1$

12) $91.2 \div 10^2$

13) $323.259 \div 10^1$

14) $45.41 \div 10^3$

15) $8.921 \div 10^4$

16) $223.9 \div 10^1$

17) $428.3 \div 10^4$

18) $676.73 \div 10^1$

19) $682.391 \div 10^2$

20) $873.5 \div 10^2$