# Multiplying and Dividing Powers of Ten

Unit 5, Station 1, Round 2, Task 3

**Solve each problem.**

1) $27{,}000 \div 10^1$

2) $86{,}000 \div 10^4$

3) $737{,}000 \div 10^1$

4) $49{,}000{,}000 \div 10^4$

5) $4{,}900{,}000 \div 10^3$

6) $50{,}000 \div 10^2$

7) $490{,}000 \div 10^3$

8) $3{,}400 \div 10^2$

9) $15{,}900 \div 10^1$

10) $500{,}000 \div 10^4$

11) $4{,}100{,}000 \div 10^3$

12) $3{,}000 \div 10^1$

13) $742{,}000 \div 10^3$

14) $9{,}100{,}000 \div 10^4$

15) $669{,}000 \div 10^1$

16) $390{,}000 \div 10^4$

17) $98{,}800 \div 10^1$

18) $40 \div 10^1$

19) $88{,}500{,}000 \div 10^3$

20) $18{,}000 \div 10^3$

1. 2,700
2. 86
3. 73,700
4. 4,900
5. 4,900
6. 500
7. 490
8. 34
9. 1,590
10. 50
11. 4,100
12. 300
13. 742
14. 910
15. 66,900
16. 39
17. 9,880
18. 4
19. 88,500
20. 18

**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.

5 4 7 0 0.

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

**$2.36 \div 10^2$**
Division is the same way. Only instead of moving the decimal right, you move it left.

.0 2 3 6

You can also multiply a negative exponent, which means the same thing.
$2.36 \times 10^{-2} = 2.36 \div 10^2$

1) $665.17 \div 10^1$

3) $913.258 \div 10^4$

5) $5.4 \div 10^3$

7) $9.866 \div 10^1$

9) $9.26 \div 10^4$

11) $427.2 \div 10^1$

13) $917.799 \div 10^3$

15) $5.8 \div 10^4$

17) $6.8 \div 10^3$

19) $8.31 \div 10^3$

1. 66.517
2. 0.93291
3. 0.0913258
4. 0.001688
5. 0.0054
6. 0.0339
7. 0.9866
8. 0.0224
9. 0.000926
10. 0.56214
11. 42.72
12. 0.0064777
13. 0.917799
14. 0.016613
15. 0.00058
16. 28.48
17. 0.0068
18. 0.0099
19. 0.00831
20. 6.7463