TWO SIDED

Multiplying and Dividing Powers of Te

Unit 5, Station 1, Round 2.
Task 3

Solve each problem.

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

2) $861{,}000 \div 10^{4}$

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

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Multiplying and Dividing Powers of Ten

Solve each problem.

5.47×10^4
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.

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

1) $665.17 \div 10^1$

2) $827.91 \div 10^3$

3) $913.258 \div 10^4$

4) $16.8 \div 10^4$

5) $5.4 \div 10^3$

6) $3.21 \div 10^2$

7) $9.866 \div 10^1$

8) $2.71 \div 10^2$

9) $9.26 \div 10^4$

10) $562.14 \div 10^3$

11) $427.2 \div 10^1$

12) $64.77 \div 10^4$

13) $917.799 \div 10^3$

14) $166.13 \div 10^4$

15) $5.8 \div 10^4$

16) $291.8 \div 10^1$

17) $6.8 \div 10^3$

18) $9.1 \div 10^3$

19) $8.31 \div 10^3$

20) $672.63 \div 10^2$

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