TWO SIDED

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

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

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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.

.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) $6.155 \div 10^3$

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) $14.127 \div 10^2$

9) $963.65 \div 10^4$

10) $555.9 \div 10^3$

11) $162.979 \div 10^1$

12) $81.2 \div 10^2$

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) $873.5 \div 10^2$

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