Multiplying and Dividing Powers of Ten

Unit 4, Station 1, Round 1, Task 3

Solve each problem.

1) 962×10^{3}

2) 98×10^{1}

3) 84×10^{3}

4) 23×10^{2}

5) 7×10^{1}

6) 958×10^{2}

7) 73×10^{4}

8) 35×10^{4}

9) 48×10^{4}

10) 549×10^{2}

11) 7×10^{3}

12) 518×10^{1}

13) 793×10^{1}

14) 9×10^{2}

15) 4×10^{1}

16) 4×10^{1}

17) 481×10^{2}

18) 464×10^{3}

19) 548×10^{3}

20) 8×10^{4}

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Multiplying and Dividing Powers of Te

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) 98.4×10^1

2) 3.958×10^4

3) 28.142×10^3

4) 8.935×10^3

5) 58.76×10^4

6) 884.7×10^1

7) 9.53×10^2

8) 295.358×10^2

9) 248.156×10^1

10) 5.571×10^2

11) 287.9×10^4

12) 7.186×10^1

13) 34.9×10^1

14) 2.26×10^1

15) 8.223×10^3

16) 48.9×10^4

17) 455.7×10^3

18) 148.37×10^1

19) 39.9×10^3

20) 272.772×10^4

Answers

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2. _____
3. _____
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