Greek Orthodox Patriarchate School
International - Hanina

Unit 3

Name: _____ **Lesson 3.1** **Grade 6A**

Date: _____ **Multiplying and dividing by powers of 10** **Homework (4)**

Find the quotient.

1. 6,230 ÷ 10,000 = _____
2. 2,891 ÷ 10,000 = _____
3. 7,258 ÷ 10 = _____
4. 620 ÷ 10 = _____
5. 4,616 ÷ 10 = _____
6. 4,476 ÷ 10,000 = _____
7. 363 ÷ 10 = _____
8. 3,616 ÷ 1,000 = _____
9. 2,607 ÷ 10 = _____
10. 8,008 ÷ 1,000 = _____
11. 4,589 ÷ 1,000 = _____
12. 1,793 ÷ 100 = _____
13. 605 ÷ 10,000 = _____
14. 3,444 ÷ 10 = _____
15. 3,629 ÷ 100 = _____
16. 3,018 ÷ 10,000 = _____
17. 9,963 ÷ 1,000 = _____
18. 2,449 ÷ 100 = _____
19. 8,800 ÷ 1,000 = _____
20. 7,508 ÷ 100 = _____

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.

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

5 4 7 0 0.

$2.36 \div 10^2$

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

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

.0 2 3 6

1) $489.22 \div 10^4$

2) 18.995×10^3

3) $294.32 \div 10^1$

4) 327.498×10^1

5) $8.72 \div 10^1$

6) 163.761×10^4

7) $6.41 \div 10^1$

8) 847.5×10^2

9) $4.56 \div 10^1$

10) 747.3×10^1

11) $56.99 \div 10^2$

12) 843.12×10^1

13) $7.15 \div 10^4$

14) 23.745×10^4

15) $335.668 \div 10^1$

16) 95.81×10^4

17) $1.7 \div 10^2$

18) 67.296×10^2

19) $837.892 \div 10^2$

20) 22.411×10^3