

Date

T: multiply and divide by 10, 100 and 1,000

TTh	Th	H	T	U	tenths (t)	hundredths (h)	Thousandths (th)	ten thousandths (tth)

To MULTIPLY:

X 10 move the numbers 1 place to the LEFT

X 100 move the numbers 2 places to the LEFT

X 1,000 move the numbers 3 places to the LEFT

Th	H	T	U	t	h	th
			3			

Th	H	T	U	ths	hths	ths
		3	0	.		

Th	H	T	U	ths	hths	ths
	3	0	0	.		

Th	H	T	U	ths	hths	ths
3	0	0	0	.		

To DIVIDE:

÷ 10 move the numbers 1 place to the RIGHT

÷ 100 move the numbers 2 places to the RIGHT

÷ 1,000 move the numbers 3 places to the RIGHT

Th	H	T	U	ths	hths	ths
			0	.	3	

Th	H	T	U	ths	hths	ths
			0	.	0	3

Th	H	T	U	ths	hths	ths
			0	.	0	0
						3

Copy the table at the top of the page onto your whiteboard and use it to help you

- | | | | | | |
|-------------------------|---------------------|-------------------------|---------------------|----------------|------------------|
| 1) 7×10 | 7×100 | $7 \times 1,000$ | $7 \div 10$ | $7 \div 100$ | $7 \div 1,000$ |
| 2) 43×10 | 43×100 | $43 \times 1,000$ | $43 \div 10$ | $43 \div 100$ | $43 \div 1,000$ |
| 3) 0.6×10 | 0.6×100 | $0.6 \times 1,000$ | $0.6 \div 10$ | $0.6 \div 100$ | $0.6 \div 1,000$ |
| 4) 78×10 | 78×100 | $78 \times 1,000$ | $78 \div 10$ | $78 \div 100$ | $78 \div 1,000$ |
| 5) 0.49×100 | 6) $243 \div 10$ | 7) $0.065 \times 1,000$ | 8) $0.76 \div 10$ | | |
| 9) $0.408 \times 1,000$ | 10) $91 \div 1,000$ | 11) 1.4×10 | 12) $30.8 \div 100$ | | |

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T: multiply and divide by 10, 100 and 1,000

1) 70	700	7,000	0.7	0.07	0.07
2) 430	4,300	43,000	4.3	0.43	0.043
3) 6	60	600	0.06	0.006	0.0006
4) 780	7,800	78,000	7.8	0.78	0.078
5) 490	6) 24.3	7) 65	8) 0.076		
9) 408	10) 0.091	11) 14	12) 0.308		