



Name: _____

Date: _____

1. What is 10^1 ?

2. $5.4 \times 100 =$ ____

3. $120 \div 100 =$ ____

4. 10^2 is 1 followed by how many zeros?

5. Write 100 as a power of 10.

 2^{10} 10^1 10^2 10^3

6. 10^3 means:

 $10 \times 10 \times 10$ 10×3 $10 \times 10 \times 10 \times 10$ 3×3



7. $6.6 \times 10 = ?$

8. The chart shows 88, then 88×10 . Multiplying by 10 shifts every digit one place to the ____.

Hundreds	Tens	Ones
	8	8
8	8	0

down

left

up

right

9. The place-value chart shows 71 shifted for $\times 10$. What is 71×10 ?

Hundreds	Tens	Ones
	7	1
7	1	0

10. What is 10^2 ?

136

100

112

126



11. $3.7 \times 10 = \underline{\hspace{2cm}}$

12. $770 \div 100 = \underline{\hspace{2cm}}$

13. 10^4 is 1 followed by how many zeros?

14. Write 10000 as a power of 10.

10^3

10^5

10^4

4^{10}

15. 10^2 means:

2×2

10×2

10×10

$10 \times 10 \times 10$

16. $6.7 \times 10 = ?$



17. The chart shows 34, then 34×10 . Multiplying by 10 shifts every digit one place to the ____.

Hundreds	Tens	Ones
	3	4
3	4	0

up

down

right

left

18. The place-value chart shows 18 shifted for $\times 100$. What is 18×100 ?

Thousands	Hundreds	Tens	Ones
		1	8
1	8	0	0



Answer Key

1. **10** $10^1 = 1$ followed by 1 zeros = 10.
2. **540** Multiplying by 100 moves the decimal point right: $5.4 \times 100 = 540$.
3. **1.2** Dividing by 100 moves the decimal point left: $120 \div 100 = 1.2$.
4. **2** 10^2 has 2 zeros.
5. **100** $10^2 = 100$.
6. **1000** $10^3 = 10 \times 10 \times 10 = 1000$.
7. **66** $6.6 \times 10 = 66$.
8. **left** $\times 10$ makes each digit worth ten times more, so it moves one column left: $88 \rightarrow 880$.
9. **710** $71 \times 10 = 710$.
10. **100** $10^2 = 1$ followed by 2 zeros = 100.
11. **37** Multiplying by 10 moves the decimal point right: $3.7 \times 10 = 37$.
12. **7.7** Dividing by 100 moves the decimal point left: $770 \div 100 = 7.7$.
13. **4** 10^4 has 4 zeros.
14. **10000** $10^4 = 10000$.
15. **100** $10^2 = 10 \times 10 = 100$.
16. **67** $6.7 \times 10 = 67$.
17. **left** $\times 10$ makes each digit worth ten times more, so it moves one column left: $34 \rightarrow 340$.
18. **1800** $18 \times 100 = 1800$.