



Multiplying and Dividing by 10 and 100

$$34 \times 10 = 340$$

$$60 \times 10 = 600$$

$$470 \times 10 = 4,700$$

If we multiply a number by 10,
the number gets ten times larger.



$$34 \div 10 = 3.4$$

$$60 \div 10 = 6$$

$$4,700 \div 10 = 470$$

If we divide a number by 10,
the number gets ten times smaller.

$$70 \div 10 = \underline{\quad}$$

$$55 \div 10 = \underline{\quad}$$



Moving Digits

Thds Hnds Tens Units

			7	
				Reveal $\times 10$
				Reveal $\times 10$
				Reveal $\times 10$

For Preview Only Animations Disabled

Each time we multiply by 10,
the digits move one place to the left.

Moving Digits with Decimals

Thds Hnds Tens Units • 1/10 1/100

			0	•	1	3

Reveal

x10

Reveal

x10

Reveal

x10

Each time we multiply by 10,
the digits move one place to the left.



Moving Digits

Thds	Hnds	Tens	Units	
7	0	0	0	
				Reveal $\div 10$
				Reveal $\div 10$
				Reveal $\div 10$

For Preview Only Animations Disabled

Each time we divide by 10, the digits move one place to the right.

Moving Digits with Decimals

Thds Hnds Tens Units • 1/10 1/100

1	3	0	0	.		

Reveal

÷10

Reveal

÷10

Reveal

÷10

Each time we multiply by 10,
the digits move one place to the left.



X 100

MIn H.Thds T.Thds Thds Hnds Tens Units

MIn	H.Thds	T.Thds	Thds	Hnds	Tens	Units
						2

Reveal

x100

Reveal

x100

Reveal

x100

Each time we multiply by 100,
the digits move two places to the left.



÷ 100

MIn H.Thds T.Thds Thds Hnds Tens Units • 1/10

4	5	0	0	0	0	0	

Reveal

÷ 100

Reveal

÷ 100

Reveal

÷ 100

Each time we divide by 100,
the digits move two places to the right.

Can you work out these?

	2	3	x	1	0	=			
	3	4	x	1	0	=			
5	4	5	÷	1	0	=			
4	4	0	÷	1	0	0	=		
		5	x	1	0	0	=		
5	5	0	÷	1	0	0	=		



Teacher's Resource

Mln H.Thds T.Thds Thds Hnds Tens Units • 1/10 1/100

Mln	H.Thds	T.Thds	Thds	Hnds	Tens	Units •	1/10	1/100
						•		
						•		
						•		
						•		
						•		
						•		

For Preview Only