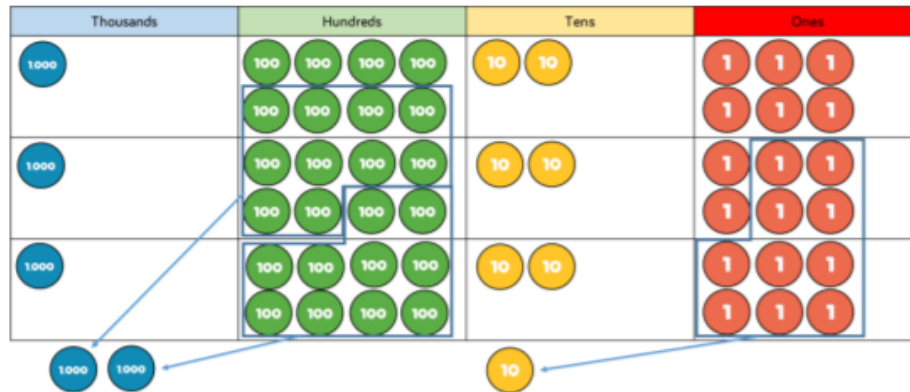


Skill: Multiply 4-digit numbers by 1-digit numbers



$$1,826 \times 3 = 5,478$$

	Th	H	T	O
	1	8	2	6
×				3
	5	4	7	8
	2		1	

Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

_____ times larger/smaller

Prime, Composite

Resources:

Number lines

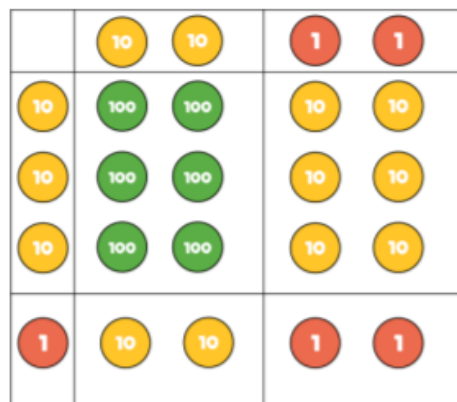
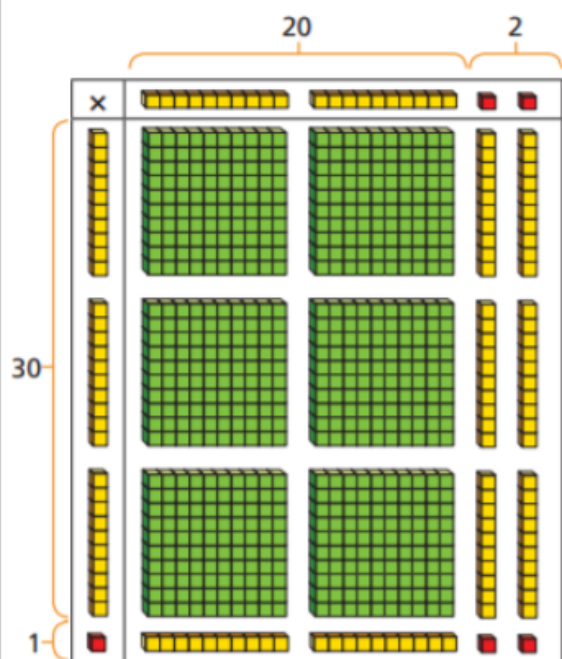
Hundred Square

Place value counters

Counters

Dienes

Skill: Multiply 2-digit numbers by 2-digit numbers



×	20	2
30	600	60
1	20	2

	H	T	O
		2	2
×		3	1
		2	2
	6	6	0
	6	8	2

$$22 \times 31 = 682$$

Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

_____ times larger/smaller

Prime, Composite

Resources:

Number lines

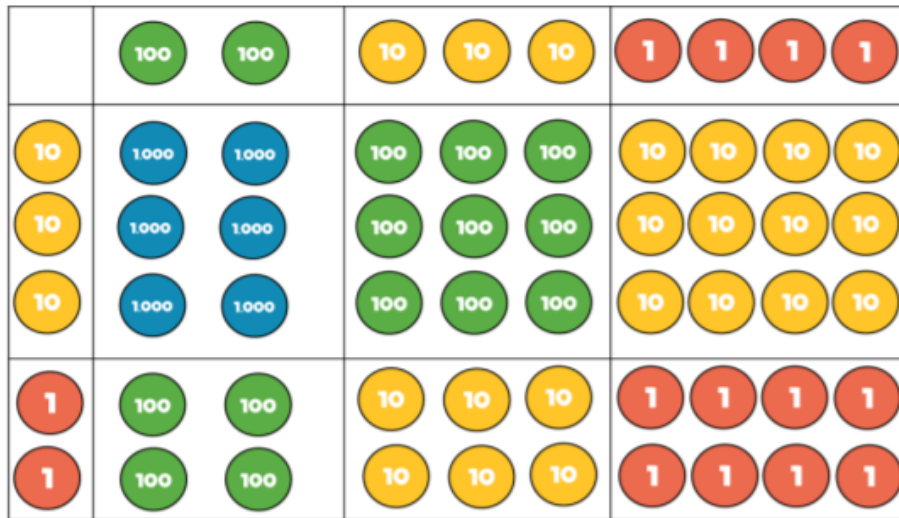
Hundred Square

Place value counters

Counters

Dienes

Skill: Multiply 3-digit numbers by 2-digit numbers



	Th	H	T	O
		2	3	4
×			3	2
<hr/>				
		4	6	8
1 7	1 0	2	0	
7	4	8	8	

$$234 \times 32 = 7,488$$

×	200	30	4
30	6,000	900	120
2	400	60	8

Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

_____ times larger/smaller

Prime, Composite

Resources:

Number lines

Hundred Square

Place value counters

Counters

Dienes

Skill: Multiply 4-digit numbers by 2-digit numbers

TTh	Th	H	T	O
	2	7	3	9
×			2	8
2	1	9	1	2
<small>2</small>	<small>5</small>	<small>3</small>	<small>7</small>	
5	4	7	8	0
<small>1</small>		<small>1</small>		
7	6	6	9	2
		<small>1</small>		

$$2,739 \times 28 = 76,692$$

Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

_____ times larger/smaller

Prime, Composite

Resources:

Number lines

Hundred Square

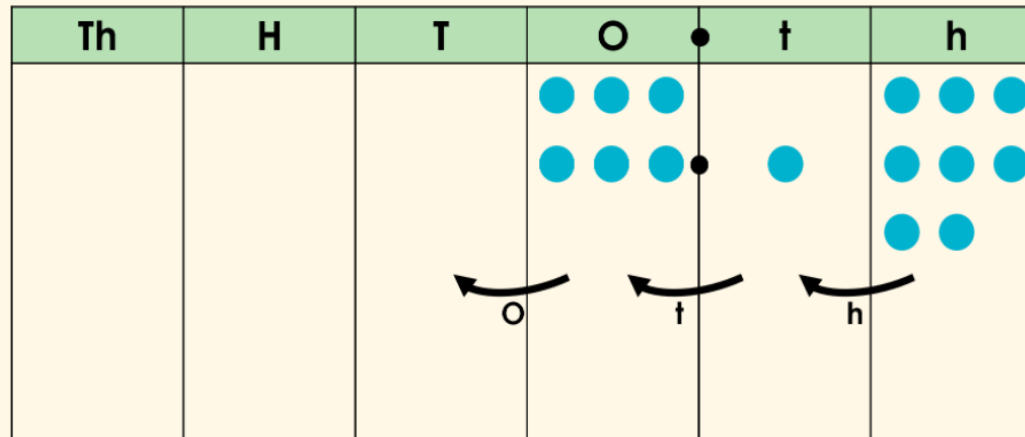
Place value counters

Counters

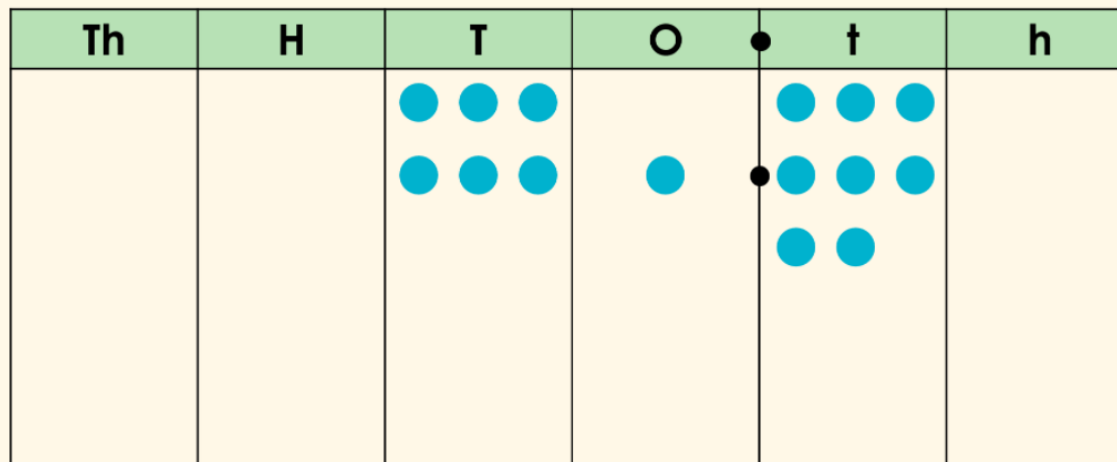
Dienes

Skill—multiply whole numbers and those involving decimals by 10.

6.18×10



$6.18 \times 10 = 61.8$



Resources:

Number lines
 Hundred Square
 Place value counters

Counters
 Dienes

Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

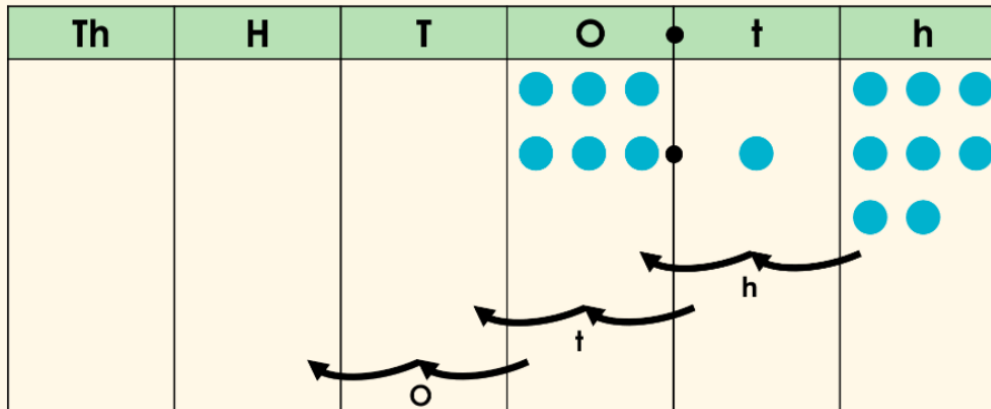
_____ times larger/smaller

Prime, Composite

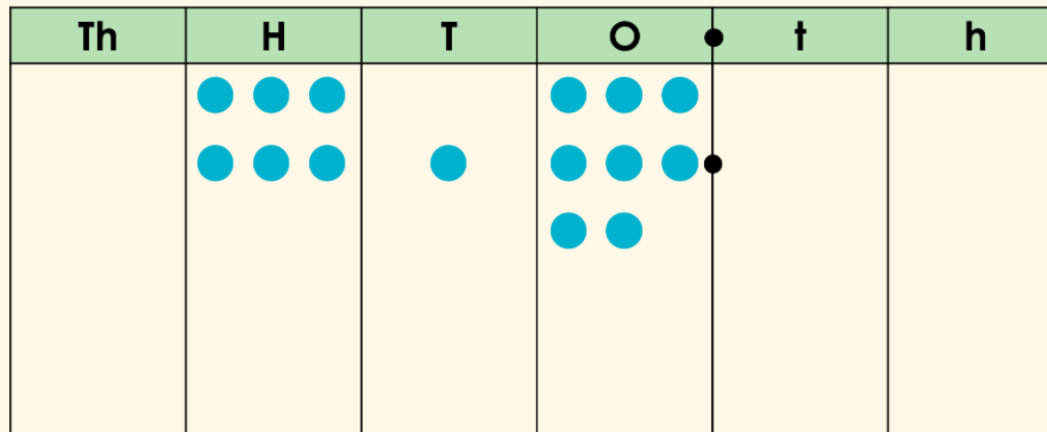
Skill—multiply whole numbers and those involving decimals by 100.

When we multiply by 100, we are making the number 100 times greater.

$$6.18 \times 100$$



$$6.18 \times 100 = 618$$



Resources:

Number lines
Hundred Square
Place value counters

Counters
Dienes

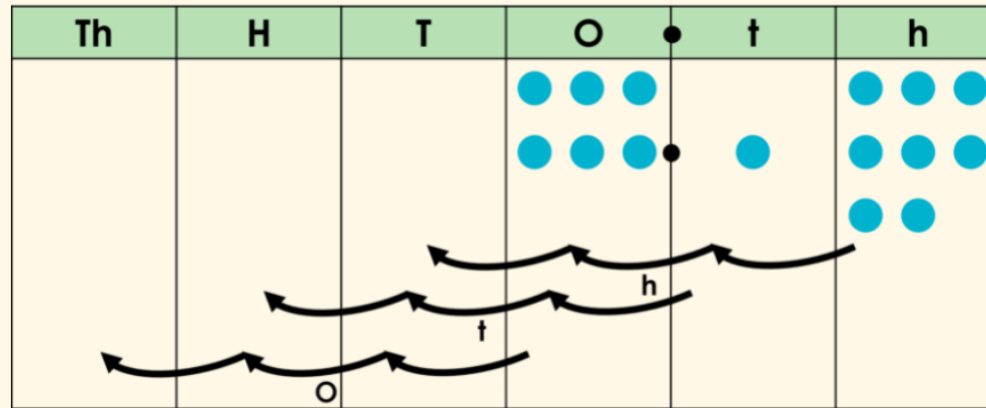
Key Vocabulary

- Multiply/Multiplication
- Times
- Product
- Commutative
- Tenths
- Hundredths
- Thousandths
- Column
- Digit
- Factor, Common Factors
- Factor pairs
- Multiples, Common Multiples
- Short Multiplication
- Long Multiplication
- Operation
- Estimate
- _____ times larger/smaller
- Prime, Composite

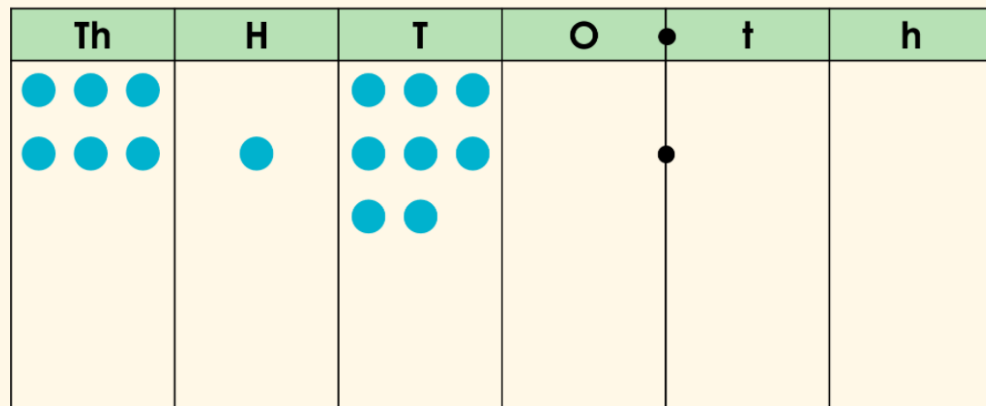
Skill—multiply whole numbers and those involving decimals by 1000.

When we multiply by 1,000, we are making the number 1,000 times greater.

$$6.18 \times 1,000$$



$$6.18 \times 1,000 = 6,180$$



Key Vocabulary

Multiply/Multiplication

Times

Product

Commutative

Tenths

Hundredths

Thousandths

Column

Digit

Factor, Common Factors

Factor pairs

Multiples, Common Multiples

Short Multiplication

Long Multiplication

Operation

Estimate

_____ times larger/smaller

Prime, Composite

Resources:

Number lines

Counters

Hundred Square

Dienes

Place value counters