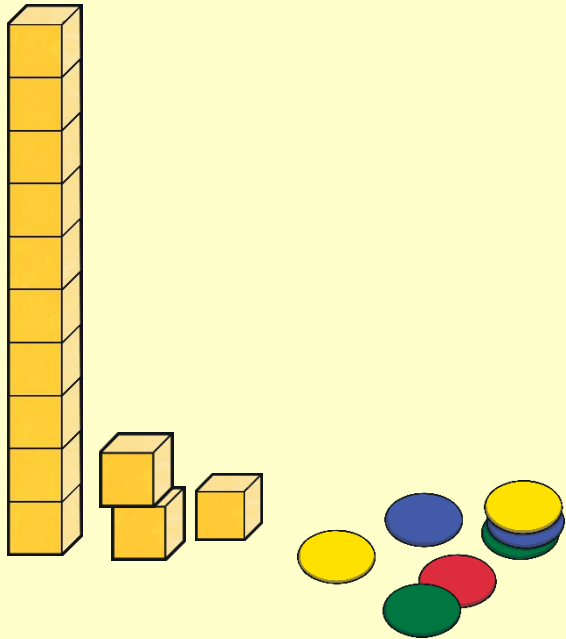


LO: To be able to multiply 2-digits by 1-digit.



Today we will multiply 2-digit numbers by 1-digit numbers.

WARM UP...

Let's recap our column addition from place value.

a)
$$\begin{array}{r} 56 \\ +23 \\ \hline \\ \hline \end{array}$$

b)
$$\begin{array}{r} 72 \\ +11 \\ \hline \\ \hline \end{array}$$

c)
$$\begin{array}{r} 59 \\ +45 \\ \hline \\ \hline \end{array}$$

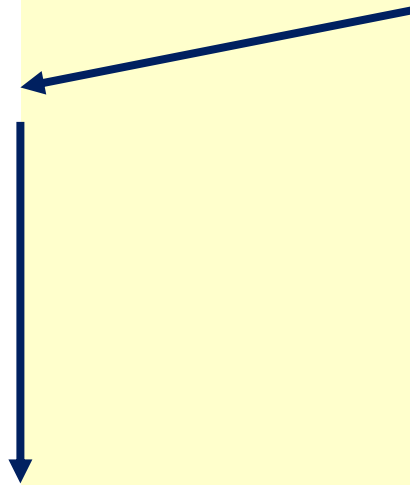
d)
$$\begin{array}{r} 32 \\ +32 \\ \hline \\ \hline \end{array}$$

e)
$$\begin{array}{r} 10 \\ +44 \\ \hline \\ \hline \end{array}$$

Multiplying 2-digits by 1-digit.

Look at the place value chart. To work out the multiplication, we need to figure out the number in each row. Then multiply by how many rows there are.

Tens	Ones
10 10	1 1
10 10	1 1
10 10	1 1
10 10	1 1



$$\square \times \square = \square$$

Multiplying 2-digits by 1-digit.

Look at the place value chart. To work out the multiplication, we need to figure out the number in each row. Then multiply by how many rows there are.

Tens	Ones
	
	
	
	

To work out the answer, we then add up all the counters.

Can you complete the calculation?

$$\square \times \square = \square$$

Multiplying 2-digits by 1-digit.

Look at the place value chart. To work out the multiplication, we need to figure out the number in each row. Then multiply by how many rows there are.

Tens	Ones
10 10	1 1
10 10	1 1
10 10	1 1
10 10	1 1

There is 22 in each row.
There are 4 rows in total.
8 tens = 80.
8 ones = 8.

$$\boxed{22} \times \boxed{4} = \boxed{88}$$

Multiplying 2-digits by 1-digit.

Look at the place value chart. To work out the multiplication, we need to figure out the number in each row. Then multiply by how many rows there are.

Tens	Ones
	
	
	

Can you try this one?

$$\square \times \square = \square$$

Multiplying 2-digits by 1-digit.

Look at the place value chart. To work out the multiplication, we need to figure out the number in each row. Then multiply by how many rows there are.

Tens	Ones
	
	
	

There is thirteen in each row.

There are 3 rows.

3 tens = 30.

9 ones = 9.

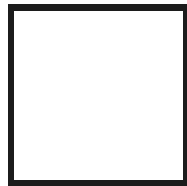
$$\boxed{13} \times \boxed{3} = \boxed{39}$$

Multiplying 2-digits by 1-digit.

Can you draw counters in a place value chart to represent and work out this calculation?

How would you use place value counters to represent the calculation and find the answer?

$$21 \times 3 =$$



Multiplying 2-digits by 1-digit.

Can you draw counters in a place value chart to represent and work out this calculation?

How would you use place value counters to represent the calculation and find the answer?

$$21 \times 3 = 63$$

Tens	Ones
	
	
	

Were you correct?

Multiplying 2-digits by 1-digit.
Let's look at column multiplication.
Remember just like column addition/subtraction, we need to line our numbers up correctly.

	3	2
x		2

Tens			Ones	
10	10	10	1	1
10	10	10	1	1

Multiplying 2-digits by 1-digit.
Let's look at column multiplication.
Always start with the ones column.

$$2 \times 2 = 4$$

$$2 \times 30 = 60$$

	3	2
x		2

Tens			Ones	
10	10	10	1	1
10	10	10	1	1

Multiplying 2-digits by 1-digit.
Let's look at column multiplication.
Always start with the ones column.

$$2 \times 2 = 4$$

$$2 \times 30 = 60$$

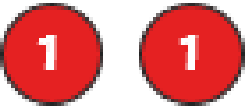
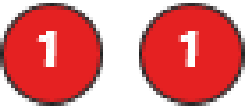
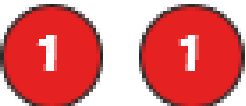
	3	2
x		2
	6	4

Tens			Ones	
10	10	10	1	1
10	10	10	1	1

Multiplying 2-digits by 1-digit.

Let's look at column multiplication.

Diana has used place value counters to represent a calculation.
Which calculation has she represented?
Can you use column multiplication to work it out?

Tens	Ones
	
	
	

Multiplying 2-digits by 1-digit.
Let's look at column multiplication.

Diana has used place value counters to represent a calculation.
Which calculation has she represented?
Can you use column multiplication to work it out?

Tens			Ones	
10	10	10	1	1
10	10	10	1	1
10	10	10	1	1

**Were you
correct?**

	3	2
x		3
	9	6

Multiplying 2-digits by 1-digit.

Let's look at column multiplication.

Take care! Column multiplication is the same as column addition.

	3	5
x		5

**10 or more – we take it next door!
You will need to carry your tens
and put them on the shelf.**

Can you work this out?

Multiplying 2-digits by 1-digit.

Let's look at column multiplication.

Take care! Column multiplication is the same as column addition.

	3	5
×	2	5
1	7	5

Were you correct?

Multiplying 2-digits by 1-digit.

Brilliant! Now start your worksheet.