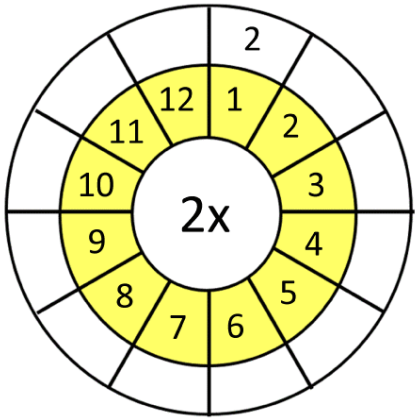
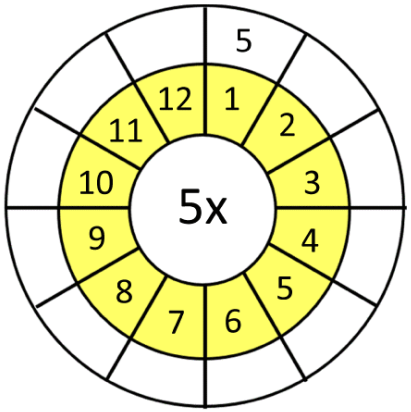
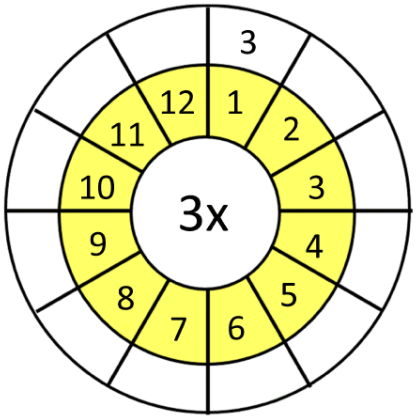
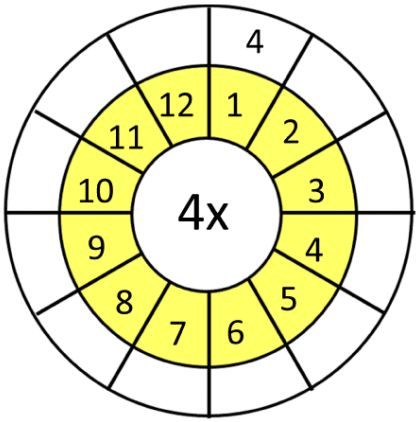
RECALL – TIMES TABLES

Use your counters to help you.

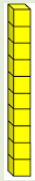








Multiplying by 10



1 x 10 =

10 x 4 =

3 x 10 =

5 x 10 =

10 x 2 =

10 x 9 =

8 x 10 =

Multiplying groups of 10

2 x 20 =

20 x 4 =

3 x 20 =

5 x 20 =

30 x 2 =

3 x 30 =

50 x 2 =

Explain the steps you would need to take to solve these two calculations.

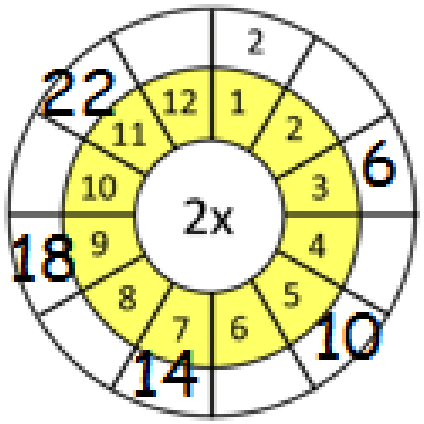
4 x 23 =

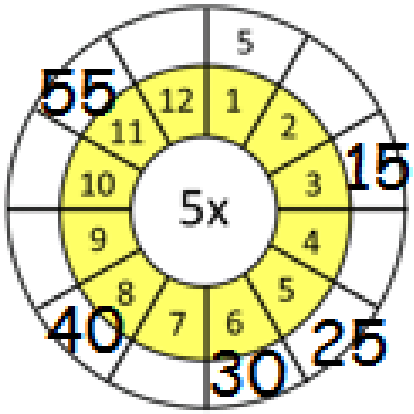
5 x 16 =

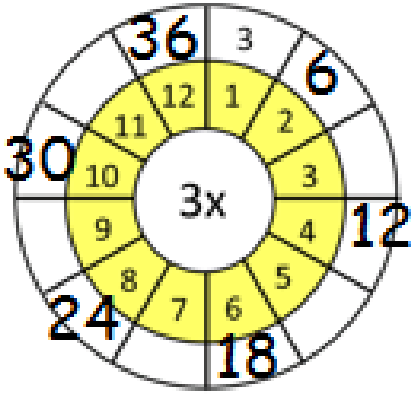
First, I would multiply _____.
Next, I need to _____.
Finally, I need to _____.

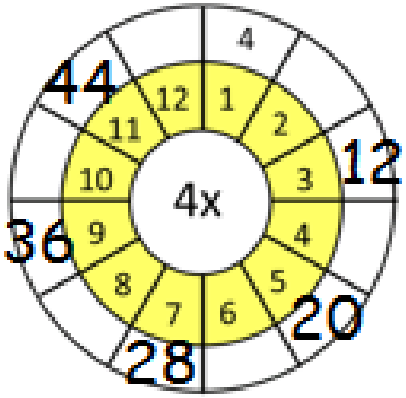
RECALL – TIMES TABLES

Use your counters to help you.

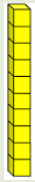








Multiplying by 10



1 x 10 = 10

10 x 4 = 40

3 x 10 = 30

5 x 10 = 50

10 x 2 = 20

10 x 9 = 90

8 x 10 = 80

Multiplying groups of 10

2 x 20 = 40

20 x 4 = 80

3 x 20 = 60

5 x 20 = 100

30 x 2 = 60

3 x 30 = 90

50 x 2 = 100

Explain the steps you would need to take to solve these two calculations.

4 x 23 =

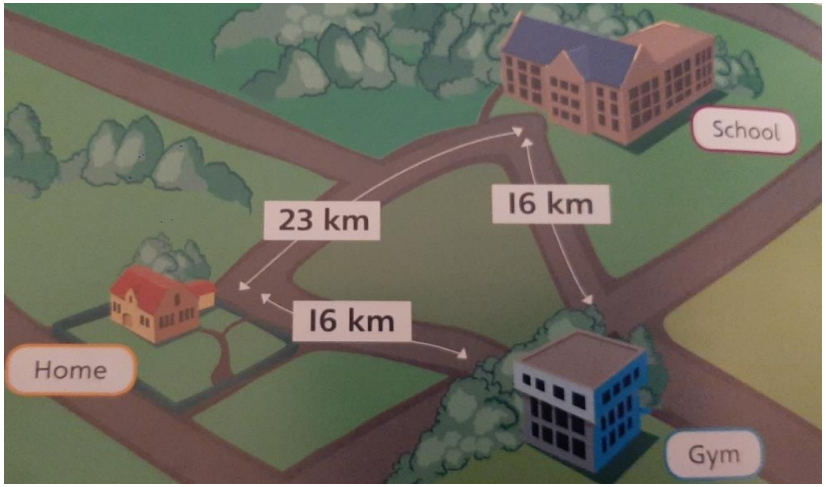
5 x 16 =

First, I would multiply _____.
Next, I need to _____.
Finally, I need to _____.

LO: I CAN MULTIPLY A 2 DIGIT NUMBER BY A 1 DIGIT NUMBER.

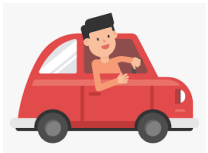
MODELLED EXAMPLE

Lewis travels from home to school and back again on Monday.



How far does he travel?

Lewis travels along the road 2 times on Monday.

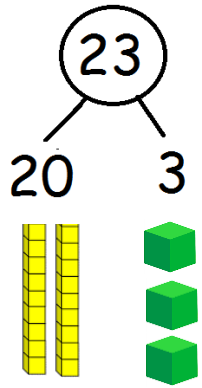


2 x 23 = ☐

Act out the problems with equipment.

Draw it pictorially.

Multiply the T and U, then add.



2 x 23 =

2 x 3 = 6

2 x 20 = 40

40 + 6 = 46

Column Multiplication

	T	U
x	2	3
		2
		6

	T	U
x	2	3
		2
		6
	4	0

	T	U
x	2	3
		2
		6
	4	0
	4	6

First work out 2 x 3 units.

Then work out 2 x 2 tens (2 x 20).

Finally add the totals.

INTELLIGENT PRACTICE

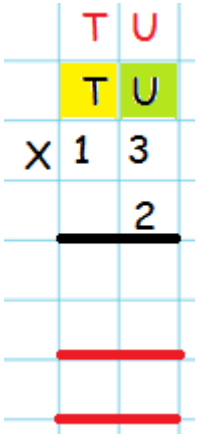
First, multiply the **units**. Then multiply the **tens**. Finally, add the totals.

First, solve 2 x 3 (**units**).

Then solve 2 x 10 (**tens**).

Add the two totals.

Write the answer in the red box.

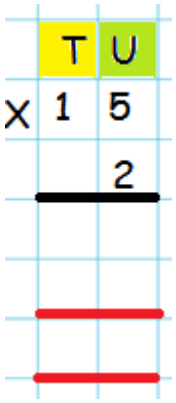


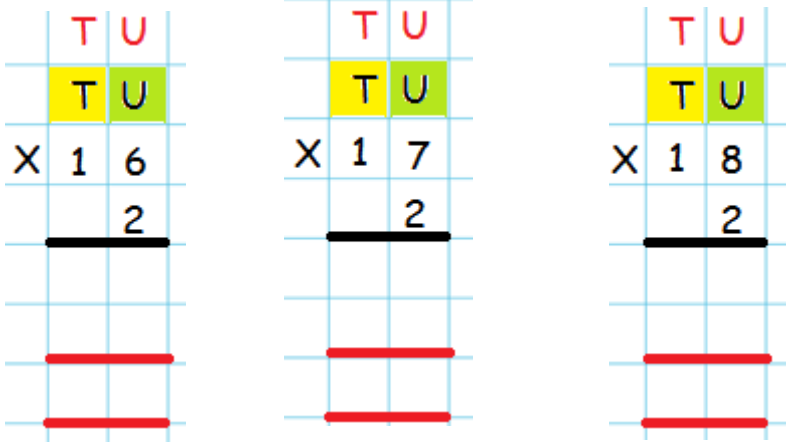
First, solve 2 x 5 (**units**).

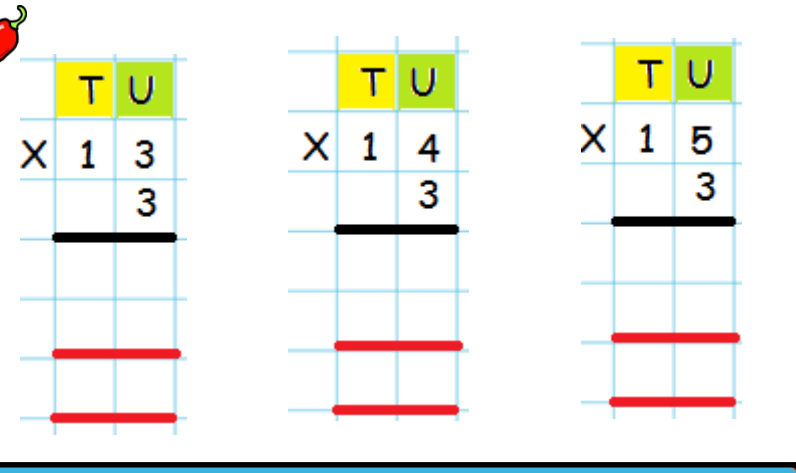
Then solve 2 x 10 (**tens**).

Add the two totals.

Write the answer in the red box.







What patterns do you notice with Chilli 2 and 3?

INTELLIGENT PRACTICE

First, multiply the **units**. Then multiply the **tens**. Finally, add the totals.

First, solve 2 x 3 (**units**).

Then solve 2 x 10 (**tens**).

Add the two totals.

Write the answer in the red box.

	T	U
	T	U
x	1	3
		2
		6
	2	0
	2	6

First, solve 2 x 5 (**units**).

Then solve 2 x 10 (**tens**).

Add the two totals.

Write the answer in the red box.

	T	U
x	1	5
		2
	1	0
	2	0
	3	0

	T	U
	T	U
x	1	6
		2
	1	2
	2	0
	3	2

	T	U
	T	U
x	1	7
		2
	1	4
	2	0
	3	4

	T	U
	T	U
x	1	8
		2
	1	6
	2	0
	3	6

	T	U
x	1	3
		3
		9
	3	0
	3	9

	T	U
x	1	4
		3
	1	2
	3	0
	4	2

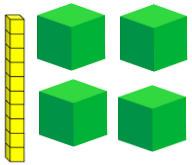
	T	U
x	1	5
		3
	1	5
	3	0
	4	5

What patterns do you notice with Chilli 2 and 3?

DIVE DEEPER

1

Jack drives from home to school and back again.
Each way is 14 km.
How far does he travel?



To solve **2 x 14** I need to multiply the tens and the units.

2 x 4 (units) =
2 x 10 (tens) =

When I add these two totals, I get ☐.

2

Kirsty cycled to the gym and back home again.

Each way is 16 km.

Solve 2 x 16 using the column method.

	T	U
X	1	6
		2

Kirsty cycled ☐ km.

3

To solve 3 x 26, you need to do 3 x 6 and 3 x 30. True or false? Explain.

4

Work out the calculations using the column multiplication method.

14 x 5 = ☐

	T	U
X		

4 x 19 = ☐

	T	U
X		

5

Lucy used these digits to make these multiplications. Work out where the digits go.

1 **2** **4**

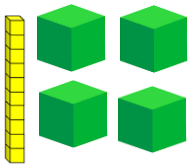
	T	U
X		
		8
	4	0

	T	U
X		
		4
	8	4

Explain how you worked it out.

DIVE DEEPER

1 Jack drives from home to school and back again.
Each way is **14** km.
How far does he travel?



To solve **2 x 14** I need to multiply the tens and the units.

2 x 4 (units) = 8
2 x 10 (tens) = 20

When I add these two totals, I get **28**.

2 Kirsty cycled to the gym and back home again.

Each way is **16** km.

Solve 2 x 16 using the column method.

	T	U
x	1	6
		2
	1	2
	2	0
	3	2

Kirsty cycled **32** km.

3

To solve 3 x 26, you need to do 3 x 6 and 3 x 30. True or **false?** Should be 3 x 20.

4 Work out the calculations using the column multiplication method.

14 x 5 = **70**

	T	U
x	1	4
		5
	2	0
	5	0
	7	0

4 x 19 = **76**

	T	U
x	1	9
		4
	3	6
	4	0
	7	6

5 Lucy used these digits to make these multiplications. Work out where the digits go.

1 **2** **4**

	T	U
x	1	2
		4
		8
	4	0
	4	8

	T	U
x	2	1
		4
		4
	8	0
	8	4

Explain how you worked it out.

DIVE DEEPER 2

1 Alex completes the calculation:

$$43 \times 2$$

Can you spot her mistake?

	T	O
	4	3
×		2
		6
+		8
	1	4

2 Teddy completes the same calculation as Alex.
Can you spot and explain his mistake?

	T	O
	4	3
×		2
8	0	6

Mrs Kalsi-Virdi has two grapefruits weighing 135g each.
Mrs Wellington has three oranges weighing 75g each.
Who has the most fruit in grams?

DIVE DEEPER 2

1 Alex completes the calculation:

$$43 \times 2$$

Can you spot her mistake?

	T	O
	4	3
×		2
		6
+		8
	1	4

Alex has correctly multiplied the units as 3 x 2 = 6.
However, She has not multiplied the tens correctly.
40 x 2 = 80 and not 8.

2 Teddy completes the same calculation as Alex.
Can you spot and explain his mistake?

	T	O
	4	3
×		2
8	0	6

Teddy has also multiplied the units correctly. 3 x 2 = 6. However, he has written 8 in the hundreds column when 80 has eight tens.

Mrs Kalsi-Virdi has two grapefruits weighing 135g each.
Mrs Wellington has three oranges weighing 75g each.
Who has the most fruit in grams?

2 x 135 = 270g
3 x 75 = 225g
Mrs Kalsi-Virdi has more fruit in grams.