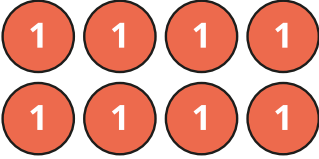



Multiply decimals by integers

1 What calculations are shown by the place value counters?

a)

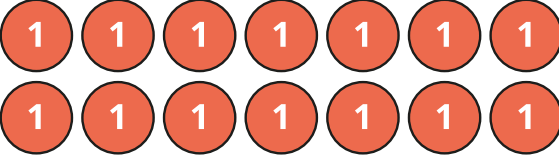


 \times $=$




 \times $=$

b)

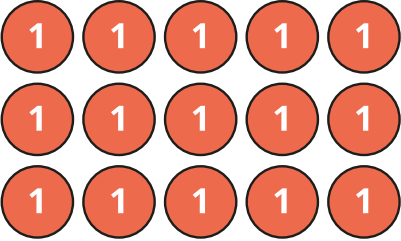


 \times $=$

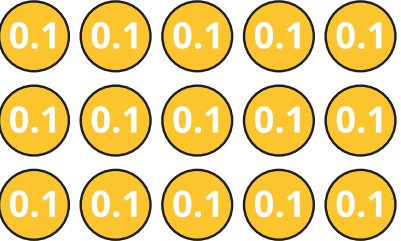


 \times $=$

c)



 \times $=$



 \times $=$

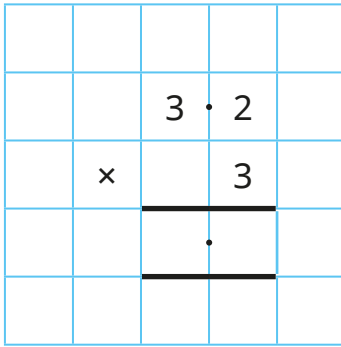
What do you notice?



2 Use the place value charts to help you work out the multiplications.

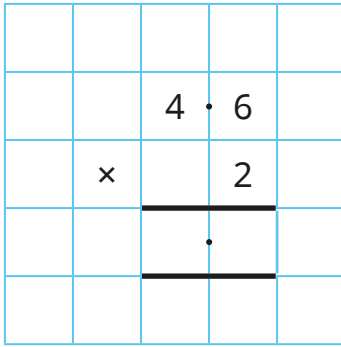
a)

Ones			Tenths	
1	1	1	0.1	0.1
1	1	1	0.1	0.1
1	1	1	0.1	0.1



b)

Ones				Tenths	
1	1	1	1	0.1	0.1
				0.1	0.1
1	1	1	1	0.1	0.1
				0.1	0.1



3 Work out the multiplications. Draw your answers.

a) $12.2 \times 3 =$

Tens	Ones	Tenths

b) $2.01 \times 4 =$

Tens	Ones	Tenths





- 4 Nijah has worked out 3.72×3

			3	•	7	2
	×					3
		1	1	•	1	6
		1	2			

Work out the multiplications.

a)

		4	•	8	6
	×				4

b)

		2	•	0	9
	×				6

- 5 Work out the multiplications.

a) $5.2 \times 4 =$

d) $= 2.34 \times 3$

b) $14.3 \times 3 =$

e) $11.505 \times 4 =$

c) $6 \times 9.1 =$

f) $9.602 \times 6 =$



- 6 0.25 kg of flour is needed to make one cake.
How much flour is needed to make four cakes?

- 7 Work out the multiplications.

a) $7.2 \times 2 =$

$7.2 \times 4 =$

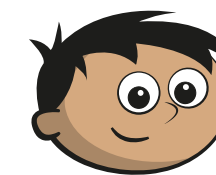
$7.2 \times 8 =$

b) $= 3.45 \times 3$

$= 34.5 \times 3$

$= 345 \times 3$

- 8 Amir is solving 3.4×4



To solve this, I
did 34×4 , which was 136
Then I multiplied my answer
by 10 to get an answer
of 1,360

Do you agree with Amir? _____
Explain why.

- 9 Use the digits 1, 2, 3 and 4 once each to create a calculation.

1	2	3	4
<input type="text"/>	•	<input type="text"/>	<input type="text"/>
<input type="text"/>	×	<input type="text"/>	<input type="text"/>

How many different products can you make?

