Monday 22nd June

Hope you had a good weekend y6.

We are returning to white rose maths.

Go to summer week 5 lesson 2 and watch the video before completing the worksheet below:

Multiply decimals by integers

1 Use place value counters to solve the calculations.

a) 3.2 × 3 = ☐

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

b) 4.6 × 2 = ☐

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

2 Solve the multiplication. Draw your answer.

12.2 × 3 = ☐

Tens	Ones	Tenths

3 Nijah uses long multiplication to solve 3.72 × 3

	3	7	2
×			3
	0	0	6
	2	1	0
	9	0	0
1	1	1	6

Use long multiplication to work out the calculations.

a)

	4	8	6
×			4

b)

	2	0	9
×			6

4 Work out the multiplications.

a) 5.2 × 4 = ☐

b) 14.3 × 3 = ☐

c) 6 × 9.1 = ☐

d) ☐ = 2.34 × 3

e) 11.505 × 4 = ☐

f) 9.602 × 6 = ☐

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Scroll down for white rose answers then

Search transum maths decimal plus to complete online. Start at level 2

Then transum maths decimal times . Level 1 – 3 are your target levels (but not to complete them all today !)

Good luck!

Multiply decimals by integers

White Rose Maths

1 Use place value counters to solve the calculations.

a) 3.2 × 3 = 9.6

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

b) 4.6 × 2 = 9.2

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

2 Solve the multiplication. Draw your answer.

12.2 × 3 = 36.6

Tens	Ones	Tenths
0 0 0	0 0 0 0 0 0	0 0 0 0 0 0

3 Nijah uses long multiplication to solve 3.72 × 3

		3	7	2
×				3
		0	0	6
		2	1	0
		9	0	0
	1	1	1	6

Use long multiplication to work out the calculations.

a)

		4	8	6
×				4
		0	2	4
		3	2	0
	1	6	0	0
	1	9	4	4

b)

		2	0	9
×				6
		0	5	4
		0	0	0
	1	2	0	0
	1	2	5	4

4 Work out the multiplications.

a) 5.2 × 4 = 20.8

b) 14.3 × 3 = 42.9

c) 6 × 9.1 = 54.6

d) 7.02 = 2.34 × 3

e) 11.505 × 4 = 46.02

f) 9.602 × 6 = 57.612

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