Date _____

Warm

Multiplying Decimals

Warm-Up:

	<u>CST: #2</u>	<u>0</u>			Review		
	<u>Area Model</u> 10 + 1 + .3			Partial Products 11.3	A = b×h = 6.4m×.2m = 6.4×m×.2×m		
2+	20	2	.6	<u>! 2.7</u> .21 .7	$= 6.4 \times .2 \times m \times m$ $= 1.28 m^2$		
.7	7.0	.7	.21	7.0			
				.6			
	27.0	2.7	.81	2.			
=	= 30.51			+ 20.			
				30.51			
	Tradition	nal					

30.51

Current

C = 2 r r = .8cm C = 2(3.14).8cm $C = 6.28 \times .8cm$ C = 5.024cm

Lesson continued:

Area Models / Partial Products:

ex5) 4.1•2.3			4.	+	.1	
=9.4_3		2.	8		.2	
		+				
		.3	1.2		.03	
			9.2	+	.23	
		=	9.43			
),•,			+	-	•	
= ,	•	•			•	
	+					
	,0	•			,0	
		•	+		•	
	=					

*Once students get the idea that decimals don't move and they can figure out the type of value of the product before they even begin multiplying, they can multiply the values as whole numbers, because the values would be whole numbers if they were written as fractions.

Extra Practice:

 1) 0.72•8.4
 2) 1.22•0.55
 3) 48.2•16.2
 4) .055•4.36