Name _____ Date _____ Period _____

5.NBT.A.2 ADDITIONAL PRACTICE

Fill in the missing power of 10 so that each number sentence is true.

1) $25 \times$ _____ $= 25{,}000{,}000$

2) $123 \times$ _____ $= 12300$

3) $8.32 \div$ _____ $= 0.0000832$

4) $56 \div$ _____ $= 0.056$

5) $10^4 \cdot 63.3145 =$ _____

6) $7.915 \div 10^3 =$ _____

7) Fill in the chart with each product.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	
						24×1
						24×10^1
						24×10^2
						24×10^3

Explain the pattern you see between the powers of 10 and the zeros in each whole-number product.

8) Fill in the chart with each product.

Hundreds	Tens	Ones	Tenths	Hundredths	
					0.65×1
					0.65×10^1
					0.65×10^2
					0.65×10^3

Explain the pattern you see between the powers of 10 and the placement of the decimal in each product.

How do you think this patterns will be different when dividing by powers of 10?

Name _____ Date _____ Period _____

5.NBT.A.2 ADDITIONAL PRACTICE (cont'd)

9) Trina owns a clothing store. She bought 1,000 shirts for $6,791 to sell in her store. Using your knowledge of the pattern of zeros:

a) How can you convert 1,000 to a power of 10?

b) How much did Trina pay per shirt?

10) Trina now plans to sell those 1,000 shirts for $8.98 each. Using your power of 10 from the previous question, how much money will she collect for selling her shirts?