**MULTIPLYING BY 0.1 OR 0.01**

| **Small Group Questions (using calculators) to look for patterns**   * Make one copy for each group   245 x 0.1 = 3257 x 0.01 = 36893 x 0.1=  98 x 0.1= 20046 x 0.01 = 80609 x 0.01 =  9999 x 0.01 = 55 x 0.01 = 16 x 0.01= |
| --- |

**Individual Practice Questions (using mental math only)**

* Make one copy for each student

1678 x 0.01 = 20994 x 0.01 = 234 x 0.01 =

31231 x 0.01 = 26 x 0.01 = 6000 x 0.01 =

123 x 0.01 = 60 x 0.01 = 402030 x 0.01 =

387 x 0.1 = 1 x 0.1 = 5541 x 0.01 =

83017 x 0.01 = 5681 x 0.1 = 3456 x 0.1 =

\* Try these tricky ones, if you have completed all of the above:

18.967 x 0.1 = 0.004 x 0.01= 15788 x 0.01 =

58909 x \_\_\_\_ = 589.09 \_\_\_\_\_ x 0.1 = 1.76 1 x 0.01 =

**Second Option for the Individual Activity (Easier questions):**

**Divide these numbers by 0.1 :**

125 x 0.1 = 397 x 0.1= 928 x 0.1 =

87 x 0.1 = 4596 x 0.1= 40381 x 0.1 =

**Multiply these numbers by 0.01 :**

568 x 0.01 = 3281 x 0.01 = 77777 x 0.01 =

667 x 0.01 = 902 x 0.01= 96225 x 0.01 =

**Multiply:**

20184 x 0.1= 327 x 0.01 = 28 x 0.01 =

3359 x 0.1= 6 x 0.01 = 10638 x 0.01 =

**Answer Sheet for Teacher:**

**Small Group Questions (using calculators) to look for patterns**

245 x 0.1 = 24.5 3257 x 0.01 = 32.57 36893 x 0.1= 3689.3

98 x 0.1= 9.8 20046 x 0.01 = 200.46 80609 x 0.01 = 806.09

9999 x 0.01 = 99.99 55 x 0.01 = 0.55 16 x 0.01= 0.16

**Individual Practice Questions (using mental math only)**

1678 x 0.01 = 16.78 20994 x 0.01 = 209.94 234 x 0.01 = 2.34

31231 x 0.01 = 312.31 26 x 0.01 = 0.26 6000 x 0.01 = 60

123 x 0.01 = 1.23 60 x 0.01 = 0.6 402030 x 0.01 = 4020.3

387 x 0.1 = 38.7 1 x 0.1 = 0.1 5541 x 0.01 = 55.41

83017 x 0.01 = 830.17 5681 x 0.1 = 568.1 3456 x 0.1 = 345.6

**Trickier Questions**

18.967 x 0.1 = 1.8967 0.004 x 0.01= 0.04 15788 x 0.01 = 157.88

58909 x .01 = 589.09 17.6 x 0.1 = 1.76 1 x 0.01 = 0.01

**Second Option for the Individual Activity (Easier questions):**

**Divide these numbers by 0.1 :**

125 x 0.1 = 12.5 397 x 0.1= 39.7 928 x 0.1 = 92.8

87 x 0.1 = 8.7 4596 x 0.1= 459.6 40381 x 0.1 = 4038.1

**Multiply these numbers by 0.01 :**

568 x 0.01 = 5.68 3281 x 0.01 = 32.81 77777 x 0.01 = 777.77

667 x 0.01 = 6.67 902 x 0.01= 9.02 96225 x 0.01 = 962.25

**Multiply:**

20184 x 0.1= 2018.4 327 x 0.01 = 3.27 28 x 0.01 = 0.28

3359 x 0.1= 335.9 6 x 0.01 = 0.06 10638 x 0.01 = 106.38