GRADE 11 ESSENTIAL
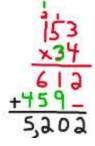**UNIT X – MANUAL MULTIPLY AND DIVIDE PRACTICE**

Name: _____

MrF

Show work using the standard manual 'algorithms' [steps]

Multiply
1) 34 * 153 = (same as 153 * 34)   2) 332 * 18 =

```
  1̇5̇3
  x34
  ────
  612
+459
────
5,202
```

3) 124 * 25 =   4) 285 • 66 =

5) 12345679 * 18 =   6) 567 * 10 =

(pizza!)
7) Joanne has 53 packages of treats made up for Halloween. Each bag has three candies in it. How many candies are there total?

8) The teacher bought 45 pencils for his class. Each pencil cost 87$^{¢}$. Taxes were an additional 13%. What was the total cost in dollars and cents (rounded properly to nearest penny; 0.01)?

MANUAL DIVIDE (whole numbers with remainder)

9) $345 \div 21 =$

$872 \div 23 =$

```
        67 R1        13
    13)872          × 6
       -78↓          78
        ───
         92          13
        -91         × 7
        ───          91
          1 STOP
```

10) $340 \div 10 =$

11) $476 \div 18 =$

MANUAL DIVIDE (with Decimal Portion)

12) $300 \div 24 =$

$793 \div 52$

```
          15.25
    52)793.000
      -52↓
       ───
       273
      -260↓
       ───
        130
       -104↓
        ───
         260
        -260
         ───
           0 STOP
```

13) $565 \div 10 =$

14) $565 \div 100 =$

ANSWERS:

1) 5202   2) 5976   3) 3100   4) 18810   5) 222,222,222
6) 5670   7) 159   8) $44.24   9) 16r9   10) 34 r0
11) 26r8   12) 12.5   13) 56.5   14) 5.65