**Multiplication challenge**

For your maths today, I want you to complete the following questions as far as you can. Don’t spend any longer than an hour at most on them and show all of your working out too. I want to be able to see what you can do in terms of multiplication so do this by yourself without any help.

Work through the sections in order as they will start straight forward and get progressively more challenging.

A

1. 47 x 3 = **141**
2. 89 x 6 = **534**
3. 243 x 4 = **972**
4. 391 x 8 = **3128**
5. 4562 x 5 = **22810**

B

1. 30 x 40 = **1200**
2. 600 x 4 = **2400**
3. 120 x 30 = **3600**
4. 0.8 x 4 = **3.2**
5. 0.7 x 0.3 = **0.21**
6. 0.06 x 20 = **1.2**

C

1. 34 x 27 = **918**
2. 68 x 35 = **2380**
3. 36 x 47 = **1692**
4. 327 x 23 = **7521**
5. 682 x 31 = **21142**

D

1. 6.8 x 4 = **27.2**
2. 7 x 2.9 = **20.3**
3. 3.9 x 46 = **179.4**
4. 8.2 x 3.4 = **27.88**
5. 7.5 x 6.7 = **50.25**

E

1. 325 x 67 = **21775**
2. 984 x 28 = **27552**
3. 4.72 x 58 = **273.76**
4. 17.42 x 150 = **2613**
5. 6.98 x 4.76 = **33.2248**

**Bonus challenge:** re-write these calculations in their simplest form.

e.g. 3 x 3 x 3 + 4 x 4 = 33 + 42

1. 6 x 6 x 6 – 2 x 2 = **63 – 22**
2. 4 x 5 x 4 x 5 x 5 = **42 x 53**
3. 7 x 7 x 8 x 8 x 7 x 8 = **73 x 83**