

**ANSWERS FOR WORK FROM 27<sup>th</sup> APRIL 2020**

**Mark your work carefully then RAG rate it at the end.**

**A.** All the following multiplications have been done for you, except for one vital part - the answer has no decimal point!

For each answer, clearly place the decimal point in the correct position.

1)  $2.4 \times 1.26 = 3.024$

2.)  $5.7 \times 2.3 = 13.11$

3.)  $0.3 \times 0.3 = 0.09$

4.)  $4.2 \times 1.37 = 5.754$

5.)  $0.2 \times 0.3 = 0.06$

6.)  $0.5 \times 0.03 = 0.015$

7.)  $8 \times 7.2 = 57.6$

8.)  $9.73 \times 1.24 = 12.0652$

**If you got any wrong try estimating the answer to check your solution makes sense.**

**e.g.**  $8) 9.73 \times 1.24 \approx 10 \times 1 = 10$  (so it is going to be 12 not 1.2 or 120 as the first digits!)

**Multiplying Decimals** - Using the first statement decide where the decimal point should go to answer the next set of questions.

**1.)**  $26 \times 32 = 832$

**2.)**  $134 \times 52 = 6968$

$2.6 \times 32 = 83.2$

$13.4 \times 52 = 696.8$

$2.6 \times 3.2 = 8.32$

$1.34 \times 5.2 = 6.968$

$0.26 \times 0.32 = 0.0832$

$0.134 \times 52 = 6.968$

**3.)**  $63 \times 71 = 4473$

**4.)**  $36 \times 571 = 20556$

$6.3 \times 71 = 447.3$

$3.6 \times 5.71 = 20.556$

$0.63 \times 71 = 44.73$

$0.36 \times 57.1 = 20.556$

$63 \times 7.1 = 447.3$

$0.036 \times 5.71 = 0.20556$

$63 \times 0.71 = 44.73$

$36 \times 57.1 = 2055.6$

$7.1 \times 0.063 = 0.4473$

$5.71 \times 0.36 = 2.0556$

**C: The MULTIPLYING effect:** (Numbers between 0 and 1)

1.)  $4 \times 0.5 = 2$  (same as  $\frac{1}{2}$  of 4 or  $4 \div 2$ )

2.)  $16 \times 0.5 = 8$

3.)  $8 \times 0.3 = 2.4$

4.)  $40 \times 0.2 = 8$

5.)  $8 \times 0.1 = 0.8$

6.)  $9 \times 0.4 = 3.6$

7.)  $7 \times 0.6 = 4.2$

8.)  $16 \times 0.25 = 4$

9.)  $8 \times 0.75 = 6$

10.)  $200 \times 0.2 = 40$

11.)  $7 \times 0.8 = 5.6$

12.)  $20 \times 0.75 = 15$

**D: The DIVIDING effect: (HINT: For these questions it is sometimes easier to convert the decimal to a fraction and then X by the reciprocal)**

e.g.  $7 \div 0.1 = 7 \div \frac{1}{10} = 7 \times 10 = 70$

1.)  $4 \div 0.5 = 8$  (Hint:  $4 \times 2$ )    2.)  $12 \div 0.5 = 24$

3.)  $8 \div 0.1 = 80$

4.)  $40 \div 0.2 = 200$

5.)  $6 \div 0.5 = 12$

6.)  $16 \div 0.4 = 40$

7.)  $9 \div 0.3 = 30$

8.)  $12 \div 0.6 = 20$

9.)  $6 \div 0.2 = 30$

10.)  $1 \div 0.25 = 4$

11.)  $6 \div 0.25 = 24$

12.)  $6 \div 0.3 = 20$

**Task 5:**

Some of you have still not completed this or have not got above 70%. If possible, can you do so today!

There is a mymaths homework on recurring decimals that is due for this **FRIDAY 1<sup>st</sup> May**.

Now you just need to make a comment in your book as to how confident you are with the work you completed last week! Well done!