Multiplication of decimal by a whole number:
The number of decimal places in the product of decimal with whole number is equal to the number of digits after the decimal point in the decimal.
Multiplication of decimal by 10, 100 or 1000:
When we multiply a decimal by 10, 100 and 1000, we shift the decimal point 1, 2 and 3 places to the right side respectively.
Multiplication of decimal by a decimal:
The number of decimal places in the product of two decimals is equal to the sum of digits after the decimal point in multiplier and multiplicand.

1. Keeping in mind the product of decimal by a whole number, write the given expression as repeated addition.

$5.256 \times 5 =$ [   ]

2. For each of the following, answers are written without decimal point. Put the decimal point at exact place & write your answer in given box.

(a) $6.3 \times 10 = 6\ 3\ 0$

(b) $7.95 \times 100 = 7\ 9\ 5\ 0$

(c) $3.09 \times 10 = 3\ 0\ 9$

(d) $10 \times 0.09 = 0\ 9$

(e) $67.8 \times 100 = 6\ 7\ 8\ 0\ 0$

(f) $56.0 \times 1000 = 56\ 0\ 0\ 0\ 0$

(g) $0.2 \times 0.3 = 0\ 0\ 6$

(h) $0.5 \times 0.3 = 0\ 1\ 5$

(i) $0.5 \times 0.003 = 0\ 0\ 0\ 15$

3. Find the value for each of the following:

(a)   67.98 × 57 = [_____]

(b)   5.63 × 1.69 = [_____]

(c)   2.65 × 1.3 = [_____]

(d)   1.56 × 1.47 = [_____]

4. Fill in the blanks using the suitable match.

(a)   1.56 × [_____] = 15.6

(b)   2.690 × [_____] = 269.0

(c)   6 hundredth × [_____] = 6 tenth

(d)   6 tenth × [_____] = 6

(e)   6 hundredth × [_____] = 6

> **Options:**
>
> 10
>
> 100
>
> 1000

5. Write down the number of decimal places for the multiplier and the multiplicand in order to place the decimal point correctly in the product.

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        5.27 ←    __ decimal places
      × 9.3 ← + __ decimal place
      _____
       1,581

    + 47,430
    _____
      49.011 ←    __ decimal places


So, 9.3 × 5.27 = _____
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