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Multiplying and Dividing Decimals Worksheets

1) Find the values of the following.

a) $12.5 \div 2.5$

b) $2.5 \div 12.5$

2) Find the number that is multiplied with 10.5 such that the answer will be 58.8

3) Match the following.

a) 75.6×10	i) 0.756
b) $75.6 \div 10$	ii) 7.56
c) $75.6 \div 100$	iii) 756

4) Which of the following divisions given below gives an integer value:

a) $0.01 \div 10$

b) $14.4 \div 1.2$

c) $15.5 \div 5.5$

d) $1.21 \div 1.1$

5) Fill the missing divisor in the long division given below.

$$\begin{array}{r} 3 \\ \square \overline{) 7.5} \end{array}$$

6) The number 8.4 is divided by 2.1 and then the resultant will be multiplied with 0.1, find the final answer.

7) Which of the following are the area of the rectangle (in sq.cm) whose length and width are 10.5 cm and 6.5 cm respectively?

a) 1.57

b) 10.5

c) 6.5

d) 68.25

8) A confectioner used 2.5 kilograms of sugar to make sweets per batch. How many kilograms of sugar did the confectioner use to make 10 such batches?



9) Fill up the following blanks given below with the appropriate numbers:

a) $20.5 \times 0.1 = \underline{\hspace{2cm}}$

b) $20.5 \div \underline{\hspace{2cm}} = 2.05$

c) $\underline{\hspace{2cm}} \times 100 = 153$

10) Fill the missing number in the box given below.

$$\begin{array}{r} 28.6 \\ \times \boxed{} \\ \hline 243.1 \end{array}$$

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	a) 5 b) 0.2
2)	5.6
3)	a)→iii), b)→ii), c)→i)
4)	b)
5)	2.5
6)	0.4
7)	d) 68.25
8)	25 kg
9)	a) 2.05 b) 10 c) 1.53
10)	8.5

FUN FACT

1. All the fractions can be converted into decimal numbers.
2. All decimal numbers can be converted to a percentage and vice-versa.
3. We move the decimal point to the right side by as many places as there are zeros over 1 to multiply any decimal number with powers of 10.

