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## Dividing Decimals Worksheet 1

1) Match the following.

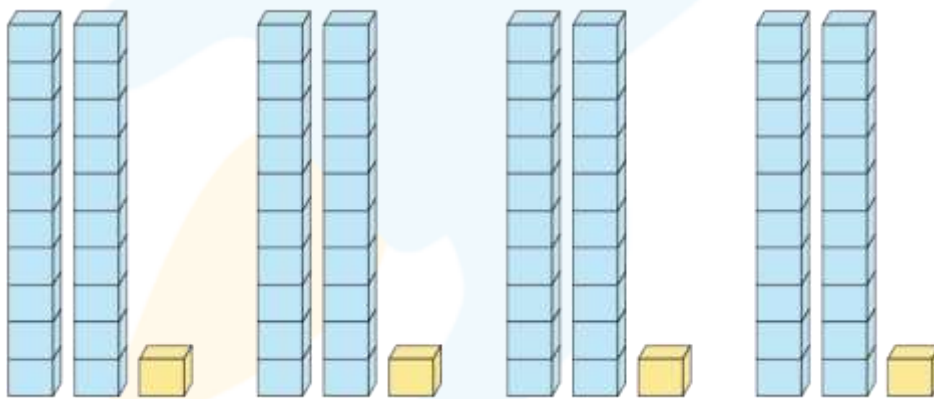
a) $1.9 \div 10$	i) 0.0019
b) $0.19 \div 100$	ii) 190
c) $19 \div 0.1$	iii) 0.19

2) Divide:

a)  $0.24 \div 12$

b)  $22.5 \div 2.5$

3) Use the model shown below and complete the division equation  $0.84 \div 4 = \underline{\quad\quad}$



4) Find the breadth of a rectangle whose area and length are  $882.32 \text{ unit}^2$  and  $32.8 \text{ units}$  respectively.

5) Which of the following division equation(s) is/are correct?

a)  $0.01 \div 100 = 10$

b)  $0.1 \div 10 = 0.01$

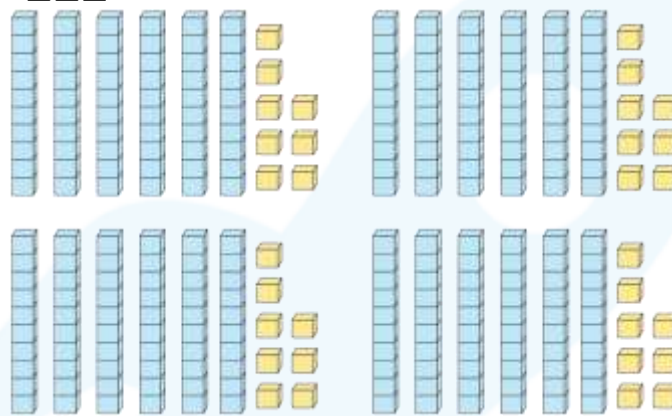
c)  $1.1 \div 100 = 0.11$

6) John had packages of 5 tennis balls. If the total weight of all tennis balls is 7.2 ounces, how much does one tennis ball weigh?

7) Which of the following division equation(s) is/are correct?

- a)  $1.2 \div 100 = 0.12$
- b)  $12 \div 100 = 0.12$
- c)  $1.02 \div 10 = 0.12$

8) Use the model shown below to fill the missing number in the equation  $2.72 \div \underline{\quad} = 0.68$



9) Divide:

- a)  $7.02 \div 0.9$
- b)  $0.46 \div 9.2$

10) Find the side length of the equilateral triangle whose perimeter is 25.68 units.

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**ANSWERS**

1)	a) - iii), b) - i), c) - ii)
2)	a) 0.02, b) 9
3)	0.21
4)	26.9 units
5)	b) $0.1 \div 10 = 0.01$
6)	1.44 ounces
7)	b) $12 \div 100 = 0.12$
8)	$2.72 \div 4 = 0.6$
9)	a) 7.8, b) 0.05
10)	8.56 units

## FUN FACT

1. The prefix "deci" in the word "decimal" means ten.
2. Decimal fractions were first invented by the Chinese.
3. Decimals are based on the preceding power of 10. Moving from left to right, the place value of digits gets divided by 10

