

Name: _____ Date: _____

Draw dot cards to complete each number sentence.



Example

When we divide by 10, each dot will be 1/10th the amount of the whole.

ANSWER KEY

1

2

3

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Match each dot card model and number sentence.



Manipulatives and Symbols

1

$$7.3 \div 10 = 0.73$$

ANSWER KEY

2

$$504 \div 10 = 50.4$$

3

$$70.2 \div 100 = 0.702$$

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Symbols

Complete each number fact.

$$7.92 \div 10 = 0.792$$

$$500.7 \div 100 = 5.007$$

$$36.87 \times 10 = 368.7$$

$$\frac{1}{100} \times 96.8 = 0.968$$

$$2.67 \div 10 = 0.267$$

$$977.3 \div 100 = 9.773$$

one possible
solution

$$50.18 \div 10 = 5.018$$

ANSWER KEY

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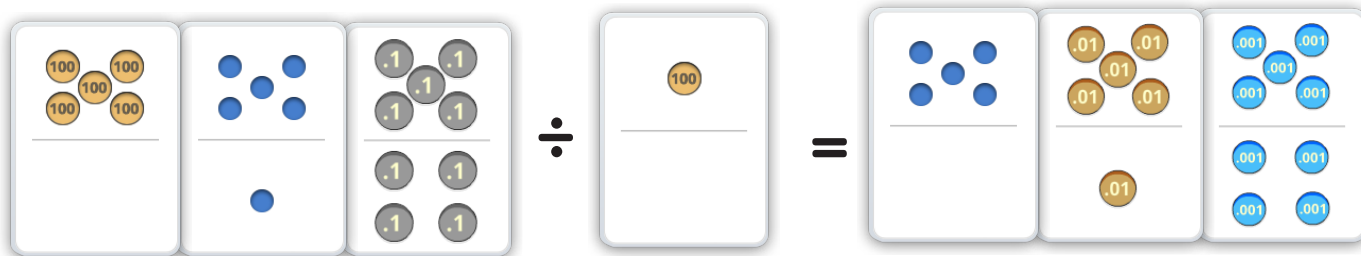


Read the story.

A machine is making 100 identical parts. The total weight of the parts is 506.9kg. How much does one part weigh?

ANSWER KEY

Draw dot cards to make a model for the story.



Write a number fact that matches your model.

$$\boxed{506.9} \div \boxed{100} = \boxed{5.069}$$

Answer: Each part weighs 5.069kg.



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Answer the question below.

Complete the two number sentences below:

$$\frac{1}{100} \times 620.3 = 6.203$$

$$620.3 \div 100 = 6.203$$

Why do you think the solutions above are the same or different?

They are the same because they are doing the same thing.

When we multiply by $1/100$, we find the value of 1 of 100 equal parts of the whole. When we divide a whole by 100, we are also finding the same value of the equal part. 1 out of 100 equal parts of 620.3 equals 6.203, and when 620.3 is divided into 100 equal parts, each part equals 6.203.

