

Name _____

1

Do you see any short cuts?

a. $4 \times 10 = 40$ **c.** $5 \times 50 = 250$ **e.** $24 \times 10 = 240$
 $4 \times 11 =$ $5 \times 52 =$ $24 \times 9 =$

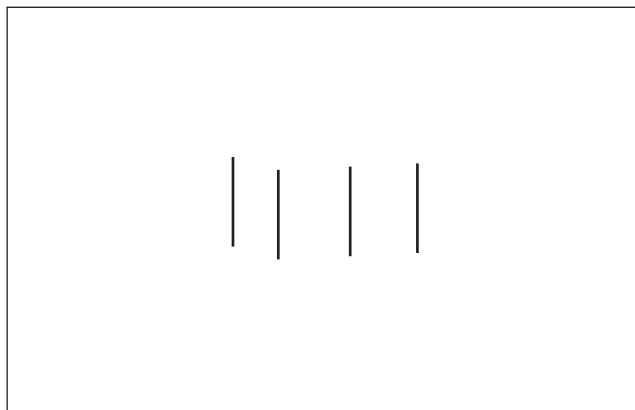
b. $7 \times 20 = 140$ **d.** $5 \times 100 = 500$ **f.** $12 \times 10 = 120$
 $7 \times 19 =$ $5 \times 101 =$ $12 \times 9 =$



Try This

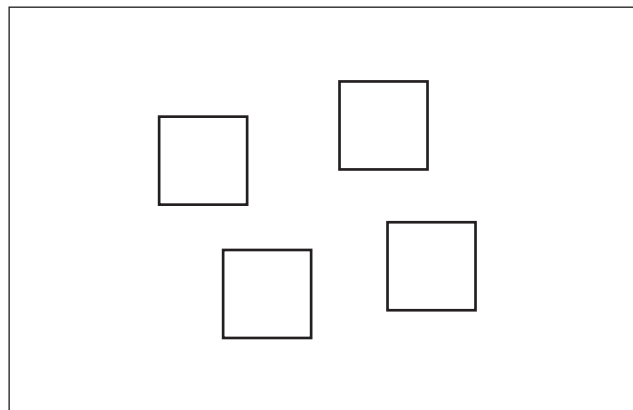
$4 \times 10^1 = \boxed{}$

- Use Base Ten Blocks to model the number.
- Sketch the model.
- Write the answer.



$4 \times 10^1 = 40$

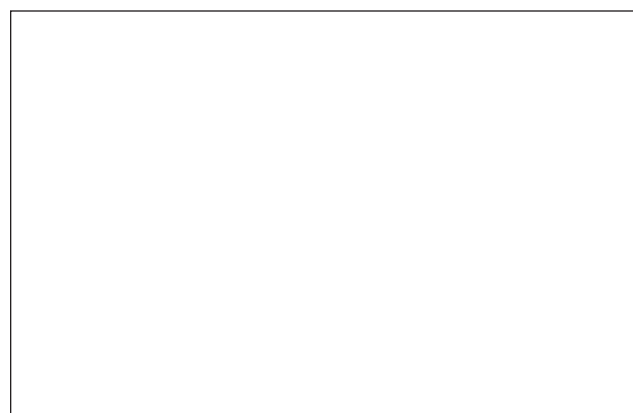
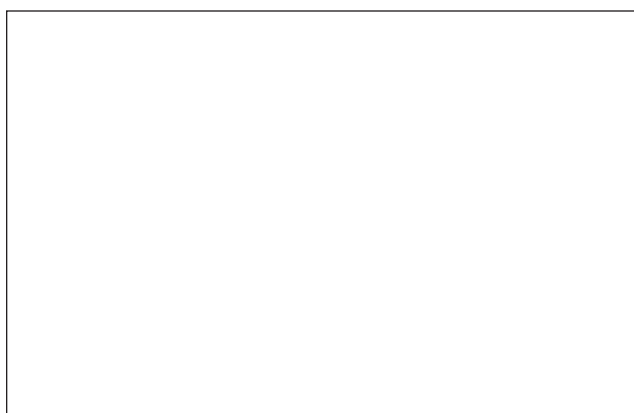
$4 \times 10^2 = \boxed{}$



$4 \times 10^2 = 400$

1. $8 \times 10^1 = \boxed{}$

$8 \times 10^2 = \boxed{}$



2. $7 \times 10^1 =$

$7 \times 10^2 =$

Write each in standard form.

3. $12 \times 10^2 =$

4. $32 \times 10^3 =$

5. $64 \times 10^4 =$

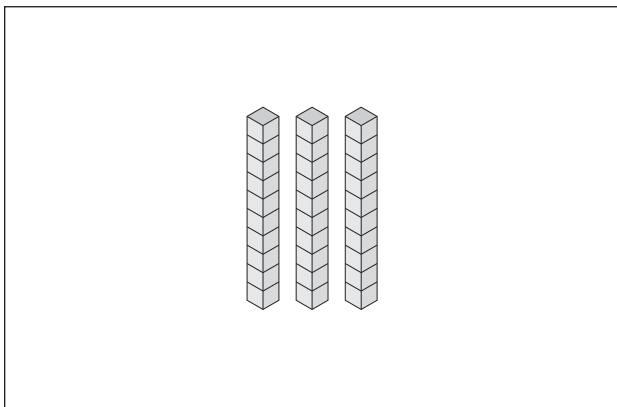
Read the problem, write an expression, and write the answer in standard form.

6. Mr. Lyon packed ten books in each carton. He was able to fit ten cartons in each shipping box. If he had 23 shipping boxes, how many books did he pack in all?

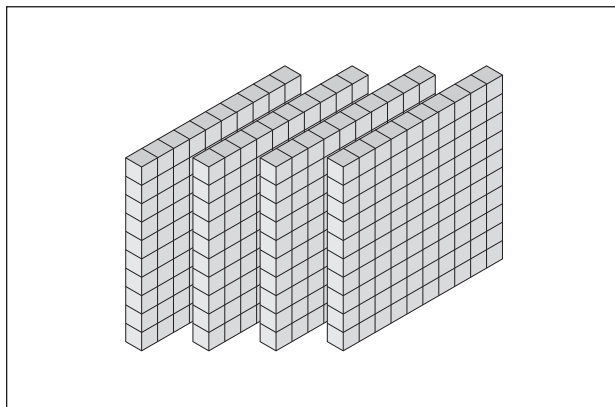
7. Maria ordered 25 boxes of stickers. There are 10 envelopes of stickers in each box. There are 10 sheets of stickers in each envelope. There are ten stickers on each sheet. How many stickers did Maria order?

Use Base Ten Blocks to build the model. Use the model to write the answer.

1. $3 \times 10^1 =$

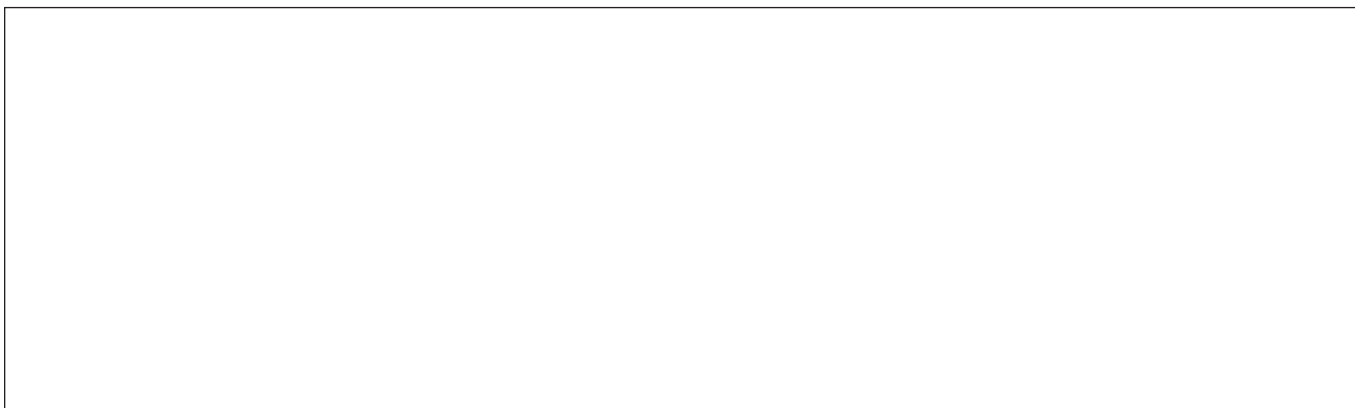


2. $4 \times 10^2 =$



Use Base Ten Blocks to model the problem. Sketch your model.
Use the model to write the answer.

3. $10^2 =$



Write each in standard form.

4. $6 \times 10^1 =$

5. $9 \times 10^2 =$

6. $2 \times 10^3 =$

7. $15 \times 10^2 =$

8. $26 \times 10^4 =$

9. $30 \times 10^2 =$

10. $48 \times 10^3 =$

Name _____

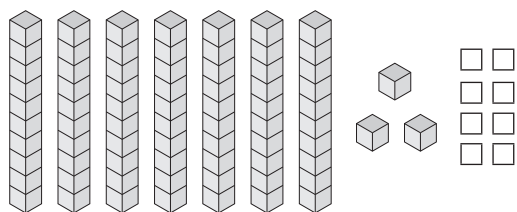
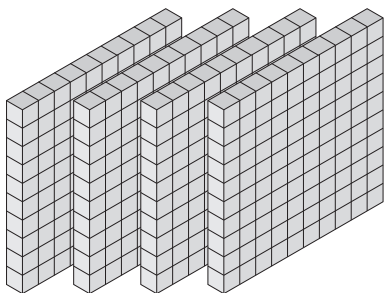
2

Express the decimals as fractions or mixed numbers.

- a. 1.01
- b. 0.04
- c. 3.5
- d. 0.91



Try This



- Use Base Ten Blocks and DecimalMod Tiles to model the number.
- Write the number in standard form.
- Write the number in word form.

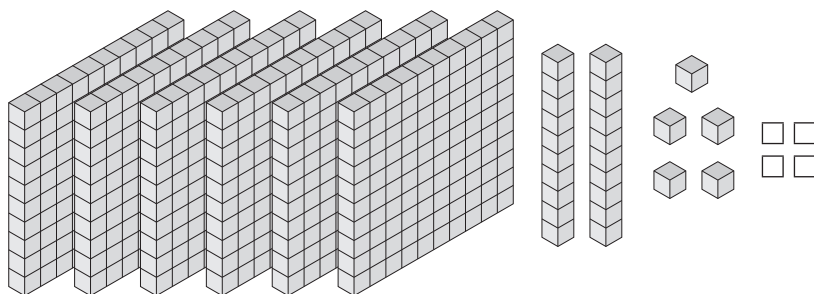
Standard form

473.8

Word form

four hundred seventy-three and eight tenths

1.

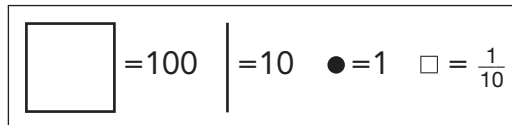
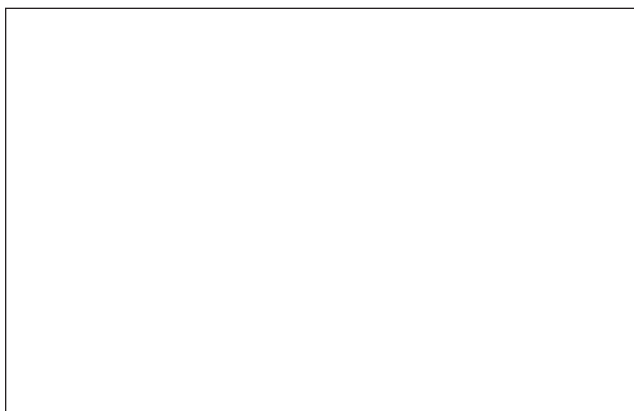


Write the number in standard form. _____

Write the number in word form. _____

Build a model for the number. Sketch your model.
Write the different forms of the number.

2. Three hundred twelve and nine tenths.



Write the number in standard form.

Write the number in expanded form.

3. $(5 \times 100) + (7 \times 10) + (3 \times 1) + (8 \times \frac{1}{10})$.

<div style="border: 1px solid black; width: 40px; height: 40px; display: inline-block; margin-right: 5px;"></div> $= 100$	<div style="border-left: 1px solid black; width: 1px; height: 40px; display: inline-block; margin-right: 5px;"></div> $= 10$	$\bullet = 1$	<div style="border: 1px solid black; width: 15px; height: 15px; display: inline-block; margin-right: 5px;"></div> $= \frac{1}{10}$
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Write the number in standard form.

Write the number in expanded form.

Answer each question.

4. Write 6,105.84 in word form.

5. Write the number thirty-three thousand, nine hundred twenty-one and sixty-one hundredths in standard form.

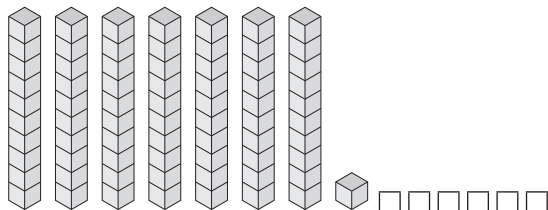
6. Write the number $(5 \times 1,000) + (9 \times 100) + (3 \times 10) + (4 \times 1) + (3 \times \frac{1}{10}) + (6 \times \frac{1}{100})$ in standard form.

7. Write 568.792 in expanded form.

Use Base Ten Blocks and DecimalMod Tiles to build the model.

Use the model to answer the questions.

1.



What is the value of the tens? _____

What is the value of the ones? _____

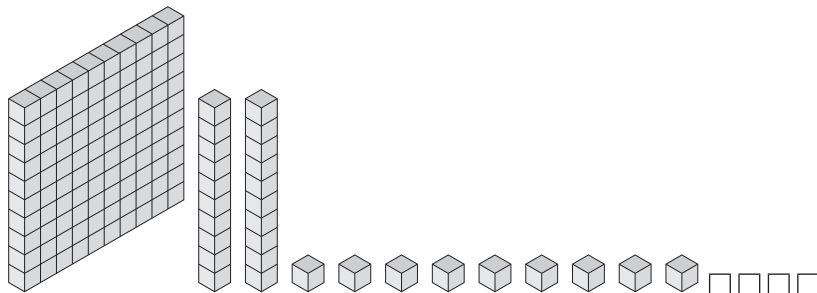
What is the value of the tenths? _____

How do you write this number in expanded form? _____

How do you write this number in standard form? _____

How do you write this number in word form? _____

2.



What is the value of the hundreds? _____

What is the value of the tens? _____

What is the value of the ones? _____

What is the value of the tenths? _____

How do you write this number in expanded form? _____

How do you write this number in standard form? _____

How do you write this number in word form? _____

**Use Base Ten Blocks and DecimalMods Tiles to model the number.
Sketch your model in the box. Answer the questions.**

- 3.** Three hundred sixty-four and seven tenths

How do you write this number in expanded form? _____

How do you write this number in standard form? _____

- 4.** 235.1

How do you write this number in expanded form? _____

How do you write this number in word form? _____

Answer each question.

- 5.** How do you write 26.8 in expanded form? _____

How do you write 26.8 in word form? _____

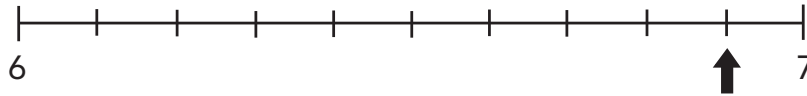
- 6.** How do you write five hundred eighty-two and seventy-nine hundredths
in standard form? _____

How do you write five hundred eighty-two and seventy-nine hundredths
in expanded form? _____

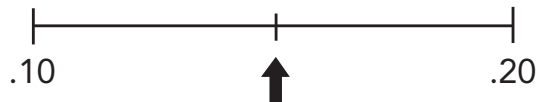
Name _____

3

a. What number does the arrow point to?

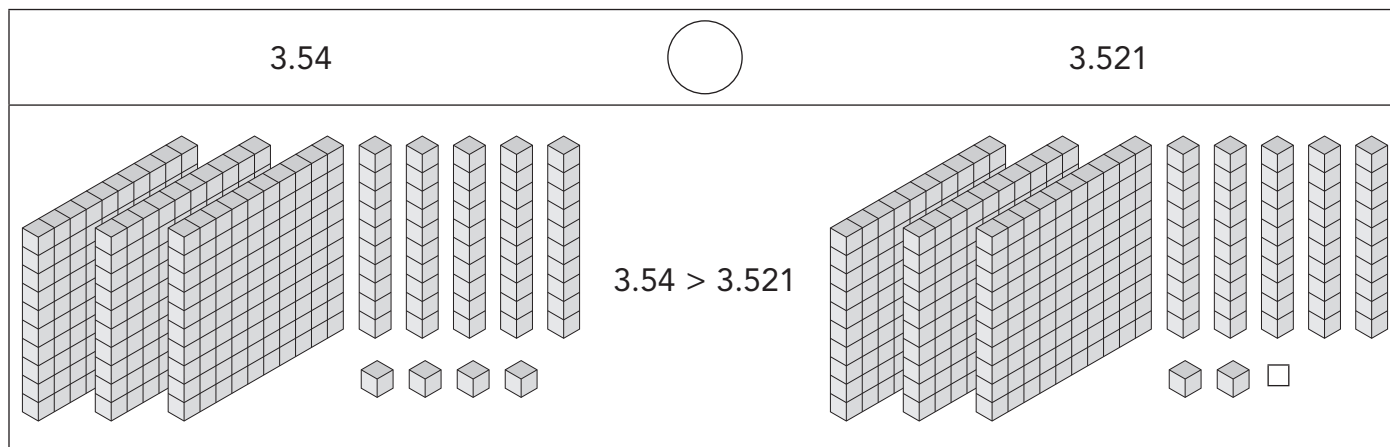


b. What number does the arrow point to?



Try This

- Use Base Ten Blocks and DecimalMods Tiles to model the numbers.
- Sketch the models.
- Use a < or > sign to compare the numbers.



1.

8.47	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto;"></div>	8.492

2.

0.8	○	0.4

Use a < or > sign to compare the numbers.

3. 0.62 ○ 0.58

4. 1.302 ○ 1.732

5. 0.978 ○ 0.987

Answer the question.

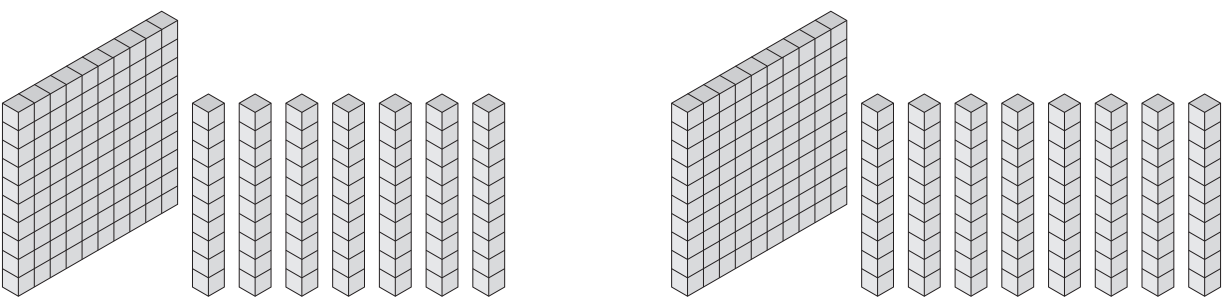
6. On Wednesday there was 0.45 inch of rain. On Thursday there was 0.54 inch of rain. On which day did it rain more?

How do you know?


Use Base Ten Blocks and DecimalMods Tiles to build the models.

Compare the numbers. Write $<$ or $>$ in the \bigcirc .

1. 1.7 \bigcirc 1.8



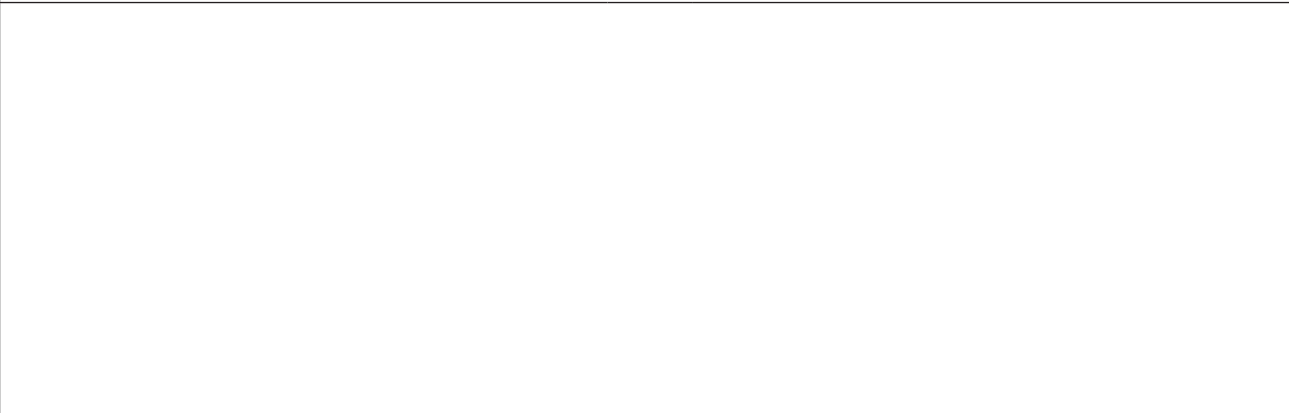
2. 0.43 \bigcirc 0.352



Use Base Ten Blocks and DecimalMods Tiles to model the numbers.

Sketch your models. Write $<$ or $>$.

3. 2.09 \bigcirc 2.41



4.	1.639	<input type="text"/>	1.63

Compare the numbers and write < or > in the .

5. 0.8 0.6

6. 0.7 0.12

7. 2.06 2.18

8. 9.426 9.539

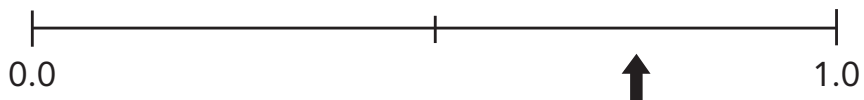
9. 26.278 26.277

10. 13.49 13.68

Name _____

4

a. What number does the arrow point to?



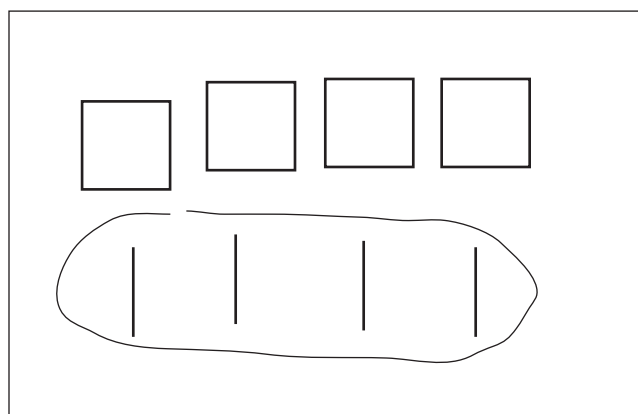
b. What number does the arrow point to?



Try This

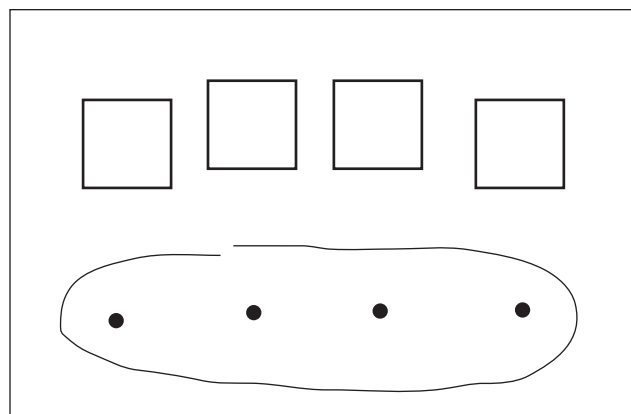
$400 \div 10^1 =$

- Use Base Ten Blocks to model the number.
- Do the division.
- Sketch your result and write the answer.



$400 \div 10^1 = 40$

$400 \div 10^2 =$



$400 \div 10^2 = 4$

1. $500 \div 10^1 =$



$500 \div 10^2 =$



2. $610 \div 10^1 =$

$610 \div 10^2 =$

Write each answer in standard form.

3. $870 \div 10^2 =$

4. $926 \div 10^3 =$

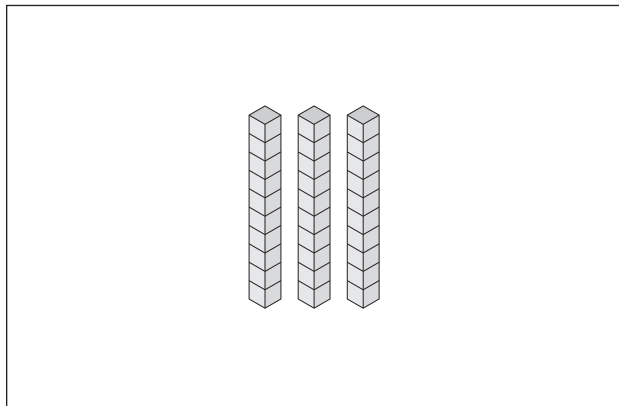
5. $489 \div 10^1 =$

Answer the question.

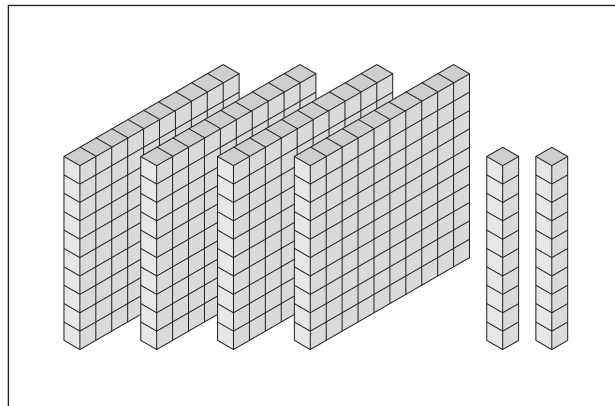
6. Sally collected \$568. She needs to divide the money equally among 10 charities. How much will each charity receive? Write an equation to solve the problem.

**Use Base Ten Blocks and DecimalMods to build the model.
Use the model to divide. Write the answer.**

1. $30 \div 10^1 =$

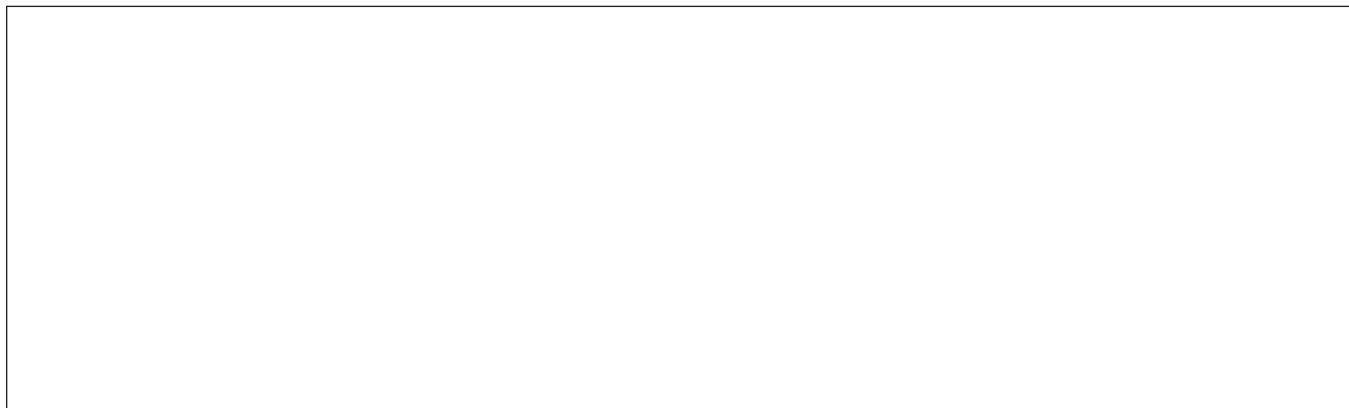


2. $420 \div 10^2 =$



**Use Base Ten Blocks and DecimalMods to model the division.
Sketch your result and write the answer.**

3. $540 \div 10^2 =$



Write each in standard form.

4. $7 \div 10^1 =$

5. $900 \div 10^2 =$

6. $120 \div 10^3 =$

7. $15 \div 10^1 =$

8. $420 \div 10^2 =$

9. $781 \div 10^2 =$

10. $68 \div 10^3 =$

Name _____

5

Meals for a class picnic cost \$1.45 each. About how much would meals cost for a class of 30 students?

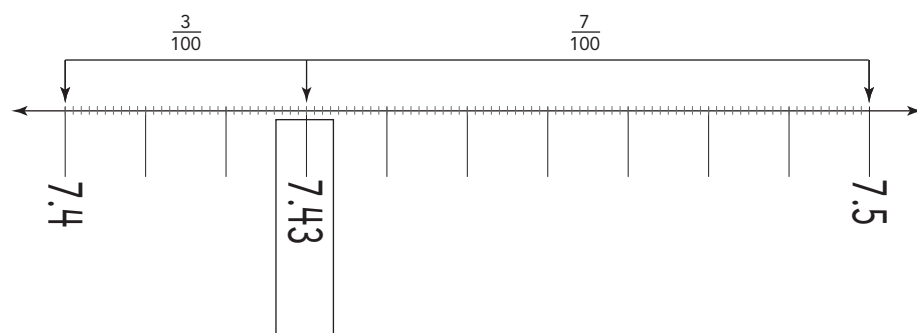
- a. \$31.45
- b. \$45.00
- c. \$1.75
- d. \$15.00



Try This

Round 7.43 to the nearest tenth.

- Draw a number line.
- Locate the number on the number line.
- Decide which tenth the number is closer to.



7.43 is closer to 7.4 than it is to 7.5.

1. Round 0.69 to the nearest tenth. _____

2. Round 25.789 to the nearest hundredth. _____

Round the number.

3. Round 1.16 to the nearest tenth. _____
4. Round 5.81 to the nearest tenth. _____
5. Round 16.454 to the nearest hundredth. _____

Find the answer to each question. Explain your answer.

6. John ran 3.67 miles today. To the nearest tenth, about how many miles did he run?

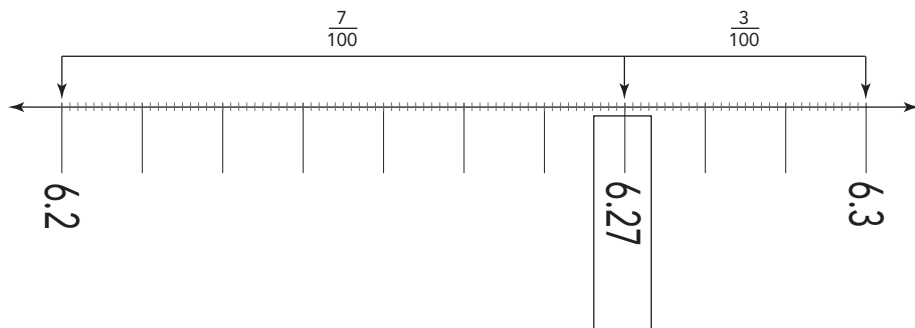
How do you know?

7. Karen finished the race in 17.41 minutes. To the nearest tenth, about how many minutes did she run?

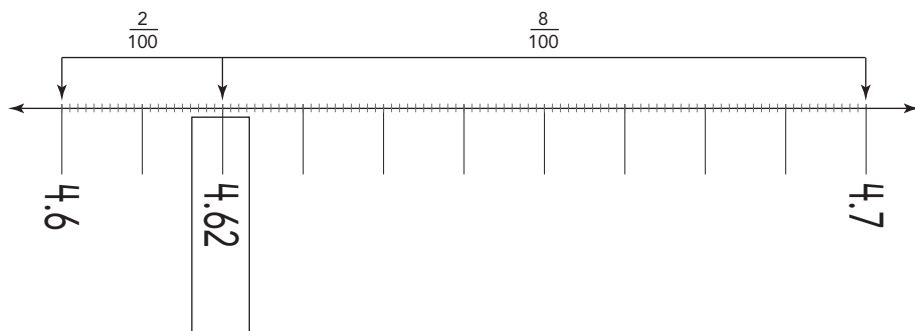
How do you know?

Use the number line to help you round the number.

1. Round 6.27 to the nearest tenth. _____



2. Round 4.62 to the nearest tenth. _____



Sketch a number line to help you round the number.

3. Round 39.067 to the nearest tenth. _____

4. Round 27.184 to the nearest hundredth. _____

Round the number.

5. Round 5.06 to the nearest tenth. _____
6. Round 17.19 to the nearest tenth. _____
7. Round 32.804 to the nearest tenth. _____
8. Round 8.451 to the nearest hundredth. _____
9. Round 94.716 to the nearest hundredth. _____
10. Round 48.108 to the nearest hundredth. _____