Name:_____ Section: _____

## Homework

During the next few days our class will be reviewing, how fractions and decimals are related.

Please remember assigned lessons and challenges on IXL. Completing these assigned lessons will help to reinforce concepts learnt in class as well as give then an oppurtunity to earn rewards and experience excitement and fun!

## Notes

Completed homework packets should be uploaded or turned in on February 11, 2023. Students must prove and show all their work. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on Archimedean Cinemath. Please feel free to contact me with any questions or concerns at kadisha.mills@archimedean.org.

Monday        February 6 - page 535

Tuesday        February 7 - page 536
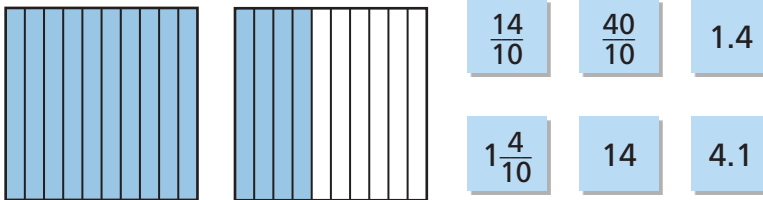
Wednesday        February 8 - page 537

Thursday        February 9- page 538

Friday        February 10 - pages 539 and 540

| Monday | Tuesday | Wednesday | Thursday | Friday |
|--------|---------|-----------|----------|--------|
|        |         |           |          |        |
|        |         |           |          |        |

# Chapter Review

**1.** Circle all the numbers shown by the model.

| $\frac{14}{10}$ | $\frac{40}{10}$ | 1.4 |

| $1\frac{4}{10}$ | 14 | 4.1 |

**2.** Jung has one dollar and twenty-seven cents to buy a notebook. Which names this money amount as a number of dollars? Mark all that apply.

(A) 12.7

(B) 1.027

(C) $1.27

(D) 1.27

(E) $1\frac{27}{100}$

(F) $\frac{127}{10}$

**3.** For Problems 3a–3e, choose True or False for each statement.

3a. 0.9 is equivalent to 0.90.  ○ True  ○ False

3b. 0.20 is equivalent to $\frac{2}{100}$.  ○ True  ○ False

3c. $\frac{80}{100}$ is equivalent to $\frac{8}{10}$.  ○ True  ○ False

3d. $\frac{6}{10}$ is equivalent to 0.60.  ○ True  ○ False

3e. 0.3 is equivalent to $\frac{3}{100}$.  ○ True  ○ False

**4.** Which shows 0.46, 4.6, 0.64, 0.06 in order from least to greatest?

(A) 4.6, 0.64, 0.46, 0.06

(B) 0.06, 0.46, 4.6, 0.64

(C) 0.06, 0.46, 0.64, 4.6

(D) 0.64, 0.46, 0.06, 4.6

**5.** Max bought 2 used books and a guitar pick at a garage sale. The books cost $1.10 each, and the guitar pick cost $0.08.

## Part A

Max said he spent $3.00 at the garage sale. Do you agree with Max? Explain.

## Part B

Max wants to buy 2 more guitar picks that cost $0.15 each. He has two dimes, 1 nickel, and 5 pennies. Does he have enough money for the guitar picks? Explain.

**6.** Harrison rode his bike $\frac{6}{10}$ of a mile to the park. Shade the model. Then write the decimal to show how far Harrison rode his bike.

Harrison rode his bike _____ mile to the park.

**7.** Amaldo spent $\frac{88}{100}$ of a dollar on a souvenir pencil from Zion National Park in Utah. What is $\frac{88}{100}$ written as a decimal in terms of dollars?

**8.** Tran has $8.85. He is saving for a video game that costs $8.95.

Tran needs _____ more to have enough money for the game.

**9.** Cheyenne lives $\frac{7}{10}$ mile from school. A fraction in hundredths

equal to $\frac{7}{10}$ is _____.

**10.** Write a decimal in tenths that is *less* than 2.42 but *greater* than 2.0.

_____

**11.** Kylee and two of her friends are at a museum. They find ten nickels and one dime on the ground.
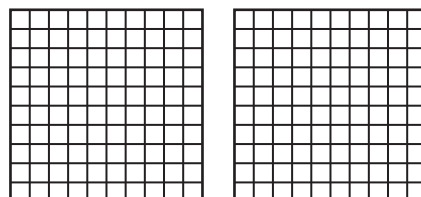
## Part A

If Kylee and her friends share the money equally, how much will each person get? Explain how you found your answer.

## Part B

Kylee says that each person will receive $\frac{2}{10}$ of the money that was found. Do you agree? Explain.

**12.** Shade the model to show $1\frac{52}{100}$. Then write the mixed number in decimal form.

**13.** Henry is making a recipe for biscuits. A recipe calls for
$\frac{5}{10}$ kilogram flour and $\frac{9}{100}$ kilogram sugar.

## Part A

If Henry measures correctly and combines the two amounts, how much flour and sugar will he have? Show your work.
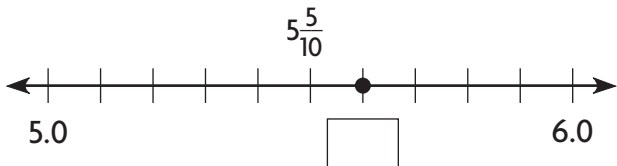
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## Part B

How can you write your answer as a decimal?

<br><br><br>

**14.** An orchestra has 100 musicians. $\frac{40}{100}$ of them play string instruments—violin, viola, cello, double bass, guitar, lute, and harp. What decimal is equivalent to $\frac{40}{100}$?

<br><br><br>

**15.** Complete the table.

| $ bills and coins | Money amount | Fraction or mixed number | Decimal |
|---|---|---|---|
| 8 pennies | | $\frac{8}{100}$ | 0.08 |
| | $0.50 | | 0.50 |
| | | $\frac{90}{100}$ or $\frac{9}{10}$ | 0.90 |
| 4 $1 bills 5 pennies | | | 4.05 |

**16.** The point on the number line shows the number of seconds it took an athlete to run the forty-yard dash. Write the decimal that correctly names the point.
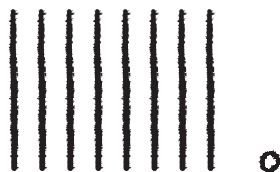


$5\frac{5}{10}$

5.0            6.0

**17.** Hoshi is making a toy car. The body of the car is $\frac{5}{10}$ meter high. The wheels add another $\frac{18}{100}$ meter to the height. What is the height of the toy car after the wheels are added? Choose a number from each column to complete an equation to solve.

$$\frac{5}{10} + \frac{18}{100} = \boxed{\begin{array}{c} \frac{5}{100} \\ \frac{15}{100} \\ \frac{50}{100} \end{array}} + \boxed{\begin{array}{c} \frac{18}{100} \\ \frac{81}{100} \\ \frac{18}{10} \end{array}} = \boxed{\begin{array}{c} \frac{68}{10} \\ \frac{23}{100} \\ \frac{68}{100} \end{array}} \text{ meter high}$$

**18.** Callie drew a quick picture to represent the questions she answered correctly on a test. What decimal does the model show?



represents ☐

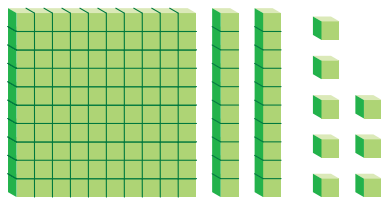**19.** For Problems 19a–19f, choose True or False for the inequality.

19a. $0.21 < 0.27$      ○ True      ○ False

19b. $0.4 > 0.45$      ○ True      ○ False

19c. $\$3.21 > \$0.2$      ○ True      ○ False

19d. $1.9 < 1.90$      ○ True      ○ False

19e. $0.41 = 0.14$      ○ True      ○ False

19f. $6.2 > 6.02$      ○ True      ○ False

**20.** For Problems 20a and 20b, fill in the number.

20a. $\frac{1}{10}$ more than 3.24 _____

20b. $\frac{1}{100}$ less than 3.24 _____

**21.** Amir used the model to show the growth of a tree in meters. The flat represents 1 unit. Which fraction, mixed number, or decimal does the model show? Mark all that apply.



- Ⓐ 1.28
- Ⓑ 12.8
- Ⓒ 0.28
- Ⓓ $2\frac{8}{100}$
- Ⓔ $1\frac{28}{100}$
- Ⓕ $1\frac{28}{10}$

**22.** Luke lives 0.4 kilometer from a skating rink. Mia lives 0.25 kilometer from the skating rink.

### Part A

Who lives closer to the skating rink? Explain.

### Part B

How can you write each distance as a fraction? Explain.

### Part C

Luke is walking to the skating rink to pick up a practice schedule. Then he is walking to Mia's house. Will he walk more than a kilometer or less than a kilometer? Explain.