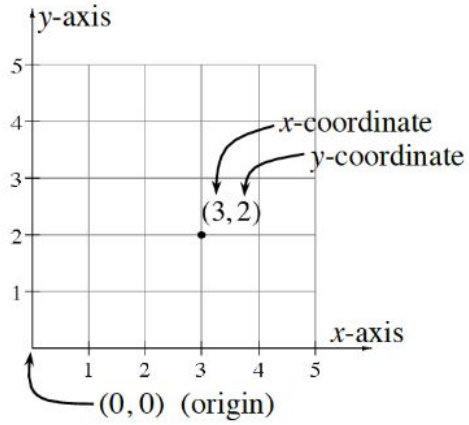
Ch. 3 Study Guide

TEST DATE: Thurs, Oct. 29, 2020

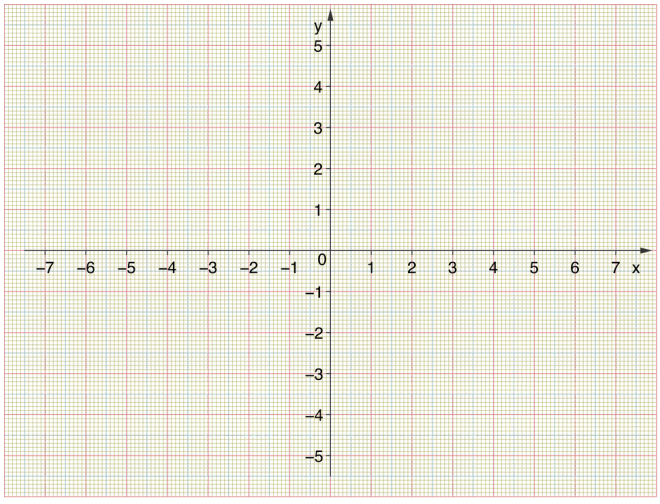
Concepts Covered (IXL practice is added, you can do 5 problems for free):

- Giant One, (IXL - I.4, I.5)
- Portion Webs (percents decimals, fractions), (IXL - I.10 - I.12, S.1, S.2)
- Ratios (IXL - R.1 - R.7)
- Integers (adding and subtracting opposites, locating negative numbers on a number line), (IXL - M.1 - M.7)
- Coordinate Graphs (IXL - X.1, X.2, X.3, X.5)

EXAMPLES:

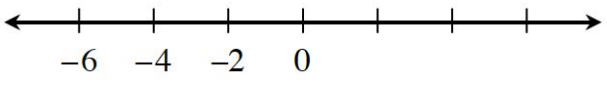


Graph these ordered pairs. (3, 2), (-5, 0), (-1, 3), (-2, -3)

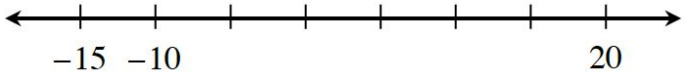


3-120. You can see in the examples below that not all number lines increase by one unit from mark to mark. Sketch the number lines on your paper and fill in the missing numbers.

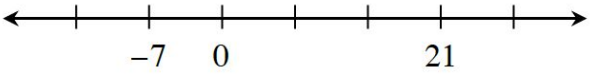
a.



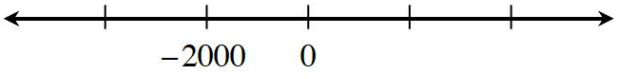
b.



c.



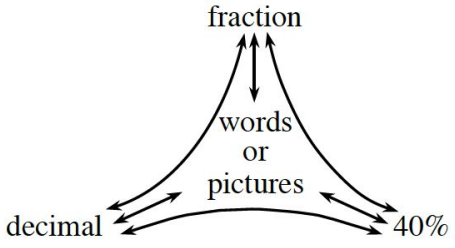
d.



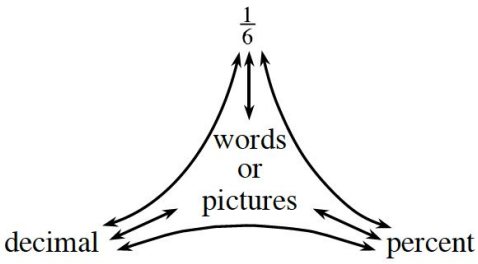
3-133. Make three new fractions that are equivalent to $\frac{6}{24}$. Show your work.

3-134. Complete each portions web.

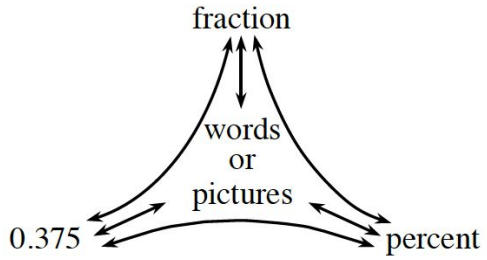
a.



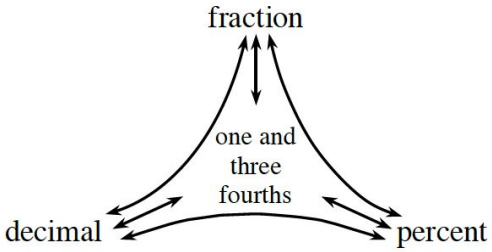
b.



c.

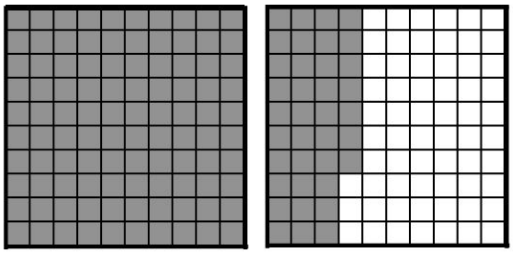


d.

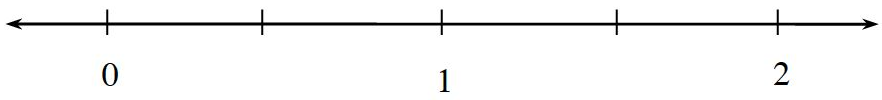


3-135. Laura wants to estimate the sum 0.26 + 0.9. Should her estimate be more or less than 1? Explain how you can tell without using a calculator.

3-136. Write the number illustrated below as a fraction, as a decimal, and as a percent.



3-138. Copy the number line below on your paper. Then label the following numbers on the line in the appropriate locations.



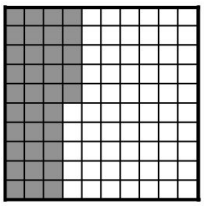
a. $\frac{3}{5}$

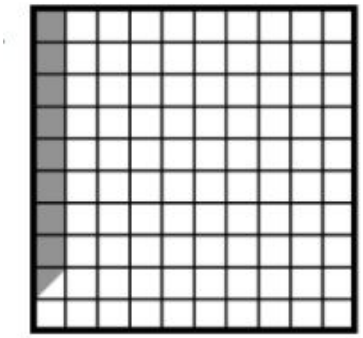
b. 120%

c. 0.07

d. $1\frac{2}{3}$

e. 83%

f. 

G. 

3-140. Compute each sum.

a. 2/7 + 4/6

b. 5 ⅖ + 2 ⅓

c. 1 ⅓ - 4/6

d. 1.4 + 2.3

e. 5.2 + (8.39)

f. $\frac{3}{10}$ + 4.29

g. (-4) - (-3)

h. - 3 + 6 - (- 8) + 10 + 5

i. 12 - 24

j. - 5 + (- 6)