

### 7-1, 7-2, 7-3 PRE-ASSESSMENT

1. Choose ALL of the following fractions that are equivalent to  $\frac{1}{3}$ .

A.  $\frac{3}{9}$

B.  $\frac{3}{12}$

C.  $\frac{4}{12}$

D.  $\frac{6}{12}$

2. Choose ALL of the values that are equivalent to  $\frac{19}{5}$ .

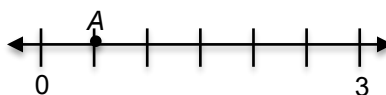
A.  $1\frac{4}{5}$

B.  $3\frac{4}{5}$

C.  $2\frac{1}{5}$

D. 3.80

3. What number does *A* represent?



A. 1

B.  $\frac{1}{2}$

C.  $\frac{1}{3}$

D.  $\frac{1}{6}$

4. Choose ALL amounts that are equal to \$20.

A. 10% of \$200

B. 20% of \$10

C. 50% of \$40

D. 25% of \$80

5. What is 80% of \$34?

A. \$272

B. \$4.25

C. \$27.20

D. \$42.50

6. Choose ALL amounts that are equal to 0.05

A. 5%

B. 50%

C.  $\frac{1}{2}$

D.  $\frac{5}{100}$

7. Choose ALL decimal equivalents for  $\frac{41}{50}$ .

A. 0.41

B. 0.50

C. 0.82

D. 0.820

8. Choose ALL equivalent values for 20%?

A. 0.20

B. 0.020

C.  $\frac{1}{5}$

D.  $\frac{17}{85}$

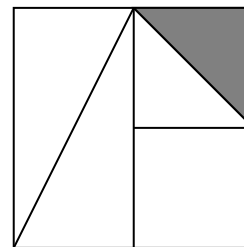
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### 7-1, 7-2, 7-3 PRE-ASSESSMENT

Continued

9. The square at the right represents one whole. Choose ALL of the ratios that represent shaded area to unshaded area.

- A. 1 : 4  
B. 1 to 8  
C. 1 for every 7  
D. 1 : 5



10. Choose ALL ratios that are equivalent to 24 : 16.

- A. 3 : 2  
B. 48 : 32  
C. 9 : 4  
D. 36 : 24

11. This incomplete table shows how much money a grocery store receives for selling different amounts of potatoes. If the ratio of numbers of pounds to total cost does not change, what are the total sales for 10 pounds of potatoes?

Number of Pounds	4	8	10	12
Total Cost	\$12			

- A. \$30  
B. \$36  
C. \$25  
D. \$40

12. Using the information from problem 11, how many pounds of potatoes can be purchased for \$132?

- A. 33  
B. 14  
C. 60  
D. 44

13. Using the information from problem 11, what is the unit rate of cost (in dollars per pound) of potatoes?

- A. 3  
B. 0.33  
C. 4  
D. 12

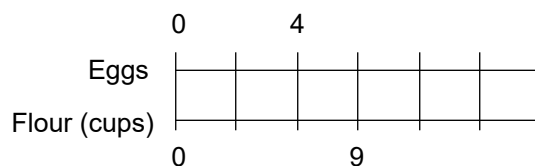
14. Miranda babysat 3 hours each night for 8 nights. She earned a total of \$192 babysitting. How much did she earn per hour?

- A. \$24  
B. \$8  
C. \$17  
D. \$64

**7-1, 7-2, 7-3 PRE-ASSESSMENT**

Continued

15. This double number line shows some amounts of eggs and flour needed for a recipe. Based on this information, how much flour is needed if the recipe is made with 5 eggs?



- A. 9 cups      B. 8 cups      C. 7.5 cups      D. 6.5 cups
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16. Choose ALL of the equations that are true if  $x = 4$ .

- A.  $x - 6 = 10$       B.  $x + 6 = 10$       C.  $20 = 5x$       D.  $\frac{x}{5} = 20$
- 

17. Choose the solution to the following equation:  $6 + h = 24$ .

- A.  $h = 18$       B.  $h = 30$       C.  $h = 4$       D.  $h = \frac{1}{4}$
- 

18. Which of the following expressions can be used to find the value of  $x$  in  $3.4 = x - 6.1$ ?

- A.  $3.4 - 6.1$       B.  $3.4 + 6.1$       C.  $6.1 - 3.4$       D.  $3.4(6.1)$
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19. Which of the following is a solution to the equation  $2.4m = 14.4$ ?

- A.  $m = \frac{1}{6}$       B.  $m = 16.4$       C.  $m = 12$       D.  $m = 6$
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