

4.1 – 4.5 Quiz Review Study Guide

State which decimal or fraction is greater.

1. 0.2, 0.025

1. _____

2. -0.17, -0.29

2. _____

3. $5\frac{17}{30}$, $5\frac{4}{9}$

3. _____

4. There were 6 girls and 18 boys in Mrs. Johnson's math class. Write the number of girls to the number of boys as a fraction. Then write the fraction as a decimal.

4. _____

5. Ms. Rockwell surveyed her core 1 class and found that 12 out of the 30 students chose peaches as their favorite fruit and in her core 2 class 14 out of 32 chose strawberries as their favorite fruit. Write both as fractions or decimals. Which is greater?

5. _____

Write each fraction or mixed number as a decimal. Use bar notation if the decimal is a repeating decimal.

6. $6\frac{5}{6}$

6. _____

7. $-\frac{2}{9}$

7. _____

Replace each \odot with $<$, $>$, or $=$ to make a true sentence.

8. $\frac{14}{20} \odot \frac{3}{5}$

8. _____

9. $-\frac{2}{15} \odot -\frac{1}{6}$

9. _____

Order least to greatest.

10. $\{6.49, 6\frac{4}{9}, 6.4\%\}$

10. _____

Solve the following.

11. Mario made six batches of cookies. His friends asked him to make an extra batch. He used $\frac{3}{4}$ cups of sugar and needs another $\frac{5}{8}$ cups for the extra batch. How many cups of sugar will Mario use altogether?

11. _____

12. $\frac{7}{9} - \frac{2}{3}$

12. _____

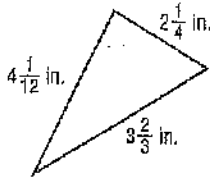
13. $\frac{2}{3} - \frac{3}{4}$

13. _____

14. $\frac{7}{8} - \frac{3}{8}$

14. _____

15. Find the perimeter of the figure.



15. _____

16. Chad bought a box of raisins. He gave $\frac{1}{6}$ of it to one brother, $\frac{1}{4}$ to another brother, and he kept the rest for himself. What fraction did he keep?

16. _____

17. **HOMEWORK** Honon spent $3\frac{1}{4}$ hours on homework yesterday while Sequoia spent $2\frac{5}{6}$ hours on homework. How much more time did Honon spend on homework than Sequoia?

17. _____

18. $2\frac{3}{4} - 1\frac{1}{4}$

18. _____

19. $5\frac{1}{2} - 3\frac{1}{4}$

19. _____

20. $7 - 6\frac{4}{9}$

20. _____