



Lesson 4.7 Fractions & Decimals

Write the fraction or mixed number as a decimal.

1. $\frac{3}{8}$

2. $3\frac{5}{12}$

Rewrite the repeating decimal using bar notation.

3. 0.024444 ...

Write the decimal as a fraction or mixed number.

4. 3.45

5. 2.4

6. 0.015

7. 9.31

8. Which of the following shows the numbers in order from **least** to **greatest**?

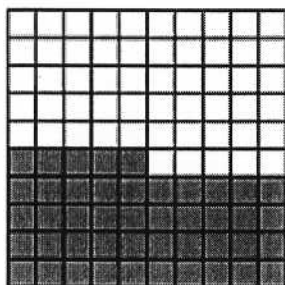
a. $4\frac{3}{4}$, 4.4, $4\frac{3}{50}$

b. $4\frac{3}{50}$, 4.4, $4\frac{3}{4}$

c. $4\frac{3}{50}$, $4\frac{3}{4}$, 4.4

d. 4.4, $4\frac{3}{50}$, $4\frac{3}{4}$

9. Which fraction and decimal describe the shaded part of the model?



10. A mechanic's ruler uses decimal parts of an inch instead of fractions. What decimal would the mechanic look for on the ruler to see if a part was $\frac{5}{8}$ inch in diameter?

11. What is 2.32 written as a mixed number in simplest form?

12. Which of the following is in order from least to greatest?

a. $62\frac{4}{5}$, $61\frac{49}{50}$, 61.85, 60.94

b. 60.94, 61.85, $61\frac{49}{50}$, $62\frac{4}{5}$

c. 60.94, 61.85, $62\frac{4}{5}$, $61\frac{49}{50}$

d. 61.85, 60.94, $61\frac{49}{50}$, $62\frac{4}{5}$

13. Vince needs to draw a line that is .175 inch long using a ruler. What is the length of the line Vince needs to draw expressed as a fraction in simplest form?

14. Jason wants to multiply a number by 0.625 but prefers to use a fraction. What fraction, in simplest form, should he use to find the same answer?

15. Write $\frac{7}{12}$ as a decimal and tell whether it is repeating or terminating.

16. Write $7\frac{9}{20}$ as a decimal and tell whether it is repeating or terminating.

Order the numbers from least to greatest.

17. $5\frac{1}{3}$, $\frac{37}{8}$, $\frac{69}{4}$, $4\frac{1}{3}$