

Name: _____

Week 12 Homework

For each problem, show work or picture and justify your answer.

2. Of the 95 students in 6th grade, $\frac{3}{5}$ went on the field trip. How many students were on the field trip?
4. Stanley ordered two pizzas that were cut into eighths. If he ate $\frac{5}{8}$ of a pizza, how much was left?
6. A baker is making cakes for a big party. She uses $\frac{1}{4}$ cup of oil for each cake. How many cakes can she make if she has a bottle of oil that has $6\frac{1}{2}$ cups in it.
8. You have 18 donuts and you want to give $\frac{5}{6}$ of them to your friends. How many donuts would your friends get?
10. Ryan bought a packet of 60 cookies on Saturday. On Sunday he ate $\frac{1}{3}$ of them. On Monday he ate 19 of them. How many cookies did he have left for Tuesday?
12. Bob and John went for a walk. If they were walking for $\frac{3}{4}$ of an hour and they usually walk $\frac{5}{2}$ a mile per hour, how far have they gone?
14. The new Chick-Fil-a franchise is valued at $\$ \frac{5}{8}$ million, and Cheryl owned $\frac{3}{5}$ of the franchise. What was the value of her holding?
16. Sally can skip a distance of $3\frac{3}{4}$ feet in each skip. It takes her little sister, Molly, $2\frac{1}{2}$ skips to match one of Sally's skips. How far does Molly go in each skip?
17. Write each of the following in decimal form:
- A. $5(10^{-3}) + 2(10) + 9(10^{-1})$
- B. $8(10^{-1}) + 6(10^3) + 3(10^{-4}) + 4(10^{-2})$
18. Write each of the following (i) in expanded form, and (ii) expanded form with exponents:
- A. 0.213 B. 3.00007 C. 12.0135
19. Write the following numbers in words:
- A. 831.000121 B. 0.1234567
20. Draw the following in base 10 blocks. Label all parts and define your units.
- A. 5.425 B. 3.16

21. Round the following decimals as directed:

- A. 3.72 to the nearest tenth
- B. 3.08 to the nearest tenth
- C. 5.393 to the nearest hundredth
- D. 7.00016 to the nearest hundredth
- E. 0.32755 to the nearest thousandth
- F. 5.9999 to the nearest thousandth

22. Order the following decimals from smallest to largest. Use three different ways to show it, including: (i) convert to fractions, (ii) Line up the decimals & add zeros, (iii) locate them on a number line.

- A. 0.37, 0.048, 0.0087, 0.6
- B. 1.04, 0.038, 0.9