1. Which of the following is a terminating decimal?

$\dfrac{1}{12}$ $\dfrac{3}{2}$ $\dfrac{3}{9}$ $\dfrac{2}{3}$

2. Which of the following is a repeating decimal?

$\dfrac{3}{8}$ $\dfrac{1}{15}$ $\dfrac{3}{10}$ $\dfrac{4}{5}$

3. Circle the terminating decimal.

0.0777 . . .   0.33 . . .   0.03   0.0303 . . .

4. What type of number is 0.135135135 . . .?

5. What type of number is 0.12121212?

6. Which one is terminating? $\dfrac{8}{11}$ or $\dfrac{11}{8}$?

Write each fraction as a decimal. Use a bar to show a repeating decimal.

7. $\dfrac{6}{10}$ **8.** $2\dfrac{1}{8}$ **9.** $\dfrac{8}{11}$ **10.** $\dfrac{6}{15}$

Write each fraction a percent, round to the nearest percent.

11. $\dfrac{1}{5}$ **12.** $\dfrac{2}{9}$ **13.** $\dfrac{7}{15}$ **14.** $1\dfrac{3}{20}$

Write each decimal as a fraction in simplest form.

15. 0.38   **16.** $0.\overline{3}$ **17.** 4.12   **18.** 0.3

Write each percent as a decimal and a fraction in simplest form.

19. 9%   **20.** 115%   **21.** 75%   **22.** 0.4%

Replace each ○ with <, >, = to make a true statement.

23. 0.04 ○ $\dfrac{5}{9}$ **24.** $\dfrac{3}{5}$ ○ $\dfrac{12}{20}$ **25.** 2.1 ○ $2\dfrac{1}{10}$

Order from greatest to least.

26. $\frac{2}{3}$, 61%, 0.69

27. 27% , 0.027, $\frac{2}{7}$

28. You have one box that is $1\frac{4}{11}$ feet tall and a second box that is 1.36 feet tall. If you stack the boxes, about how tall will the stack be? (Round to the nearest hundredth as needed.)

29. Mr. Rice brings $4\frac{4}{9}$ pounds of hamburger to cook at the Bennion Jr. High cookout. If the school already bought $5\frac{3}{11}$ pounds of hamburger, how many pounds of meat do they have in total?

30. Using the information from # 29. If the school is making hamburgers that are each $\frac{1}{3}$ pound, how many hamburgers can they make?

31. At a butcher shop, Carson bought $9\frac{12}{25}$ lb of beef and some pork. He left with $20\frac{11}{20}$ lb of meat. Express the number of pound of pork she bought using a decimal.

32. A recipe for tacos calls for $\frac{58}{200}$ lb of beef per person. You want to use the recipe to make enough taco meat for 30 people. If beef costs $2 per pound, how much would you spend on beef?

33. The maximum weight a delivery truck can carry is 2,800 lb worth of packages. If the weight of the packages exceeds maximum weight, the truck will not be sent out for deliveries. The truck has 5 packages that weigh $157\frac{7}{20}$ lb each and 7 packages that weigh 300.5 lb each. Express the total weight of the packages in the truck as a decimal.   Will the truck be sent out?

REVIEW

1. $(-12)(3)$

2. $(4)(-5)(3)$

3. $\frac{5}{8} \bullet -\frac{1}{3}$

4. $(-0.3)(-0.32)$

5. $\frac{-110}{10}$

6. $2 + (-6)$

7. $-7.3 + (-7.1)$

8. $-\frac{1}{3} - \frac{4}{5}$

9. $17 - 20$

10. $\frac{-36}{-4}$