Homework

The following shows how place value and money are related.

ones		**tenths**	**hundredths**	**thousandths**
(dollars)	.	(dimes)	(pennies)	(tenths of a penny)

Write each fraction as a decimal and then say it.

1. $\frac{349}{1,000}$ _____

2. $\frac{6}{10}$ _____

3. $\frac{58}{100}$ _____

4. $\frac{27}{1,000}$ _____

5. $\frac{2}{10}$ _____

6. $\frac{9}{100}$ _____

7. $\frac{6}{1,000}$ _____

8. $\frac{71}{100}$ _____

9. $\frac{90}{100}$ _____

10. $\frac{843}{1,000}$ _____

11. $\frac{5}{10}$ _____

12. $\frac{4}{100}$ _____

13. $\frac{1}{1,000}$ _____

14. $\frac{45}{100}$ _____

15. $\frac{896}{1,000}$ _____

16. $\frac{58}{1,000}$ _____

Solve.

17. A large building has 1,000 windows, and 5 of the windows need to be replaced. What decimal represents the number of windows that need to be replaced?

_____

18. At a reception, 23 of 100 pieces of wedding cake have been eaten. What decimal number represents the number of pieces of cake that have been eaten?

_____

19. Jody made 10 party invitations. Yesterday she mailed 4 of them. What decimal represents the number of invitations that have been mailed?

_____

20. There are 1,000 vehicles in a stadium parking lot; 422 of the vehicles are trucks. What decimal represents the number of vehicles that are trucks?

_____

21. Mr. Chan handed out eight tenths of his flyers. Write a fraction and a decimal that represents the amount of the flyers that he handed out.

_____

22. Jason has an album that holds 100 trading cards. He has 52 trading cards in the album. Write a fraction and a decimal that represent the amount of the album that is filled.

_____

Name _____ **Date** _____

Remembering

Add.

1. $\frac{1}{3} + \frac{1}{7}$

2. $\frac{1}{5} + \frac{8}{15}$

3. $\frac{3}{8} + \frac{1}{4}$

Subtract.

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

5. $\frac{5}{6} - \frac{5}{9}$

6. $\frac{3}{5} - \frac{1}{12}$

Add or Subtract.

7. $\begin{array}{r} 5 \\ -\ 3\frac{5}{8} \\ \hline \end{array}$

8. $\begin{array}{r} 8\frac{1}{5} \\ +\ 5\frac{4}{7} \\ \hline \end{array}$

9. $\begin{array}{r} 11\frac{2}{5} \\ -\ 6\frac{3}{20} \\ \hline \end{array}$

Solve.   *Show your work.*

10. Kennedy served $15\frac{3}{4}$ hours of volunteer service last month. She served $21\frac{5}{6}$ hours of volunteer service this month. How many more hours did she serve this month?

_____

11. Stretch Your Thinking Draw a diagram that shows 0.5 and $\frac{1}{2}$ are equivalent.

Decimals as Equal Divisions