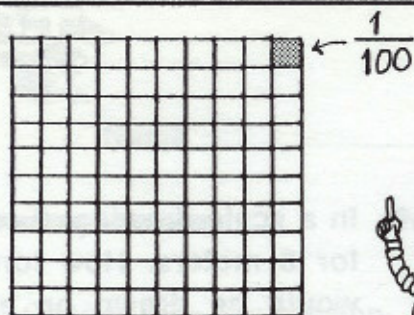


Fractions and decimals in hundredths



1 whole has been divided into 100 equal parts.
1 out of the 100 parts is shaded.

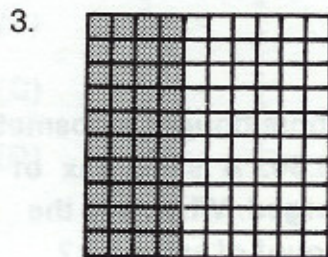
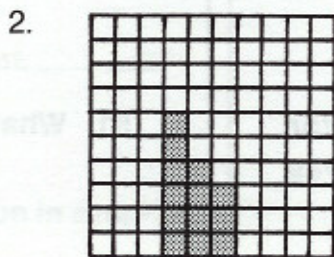
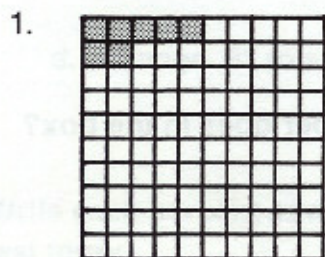


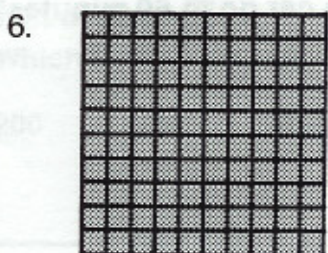
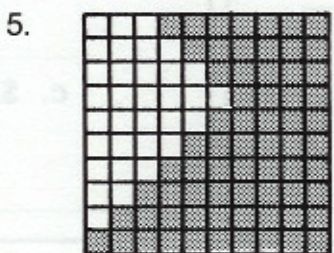
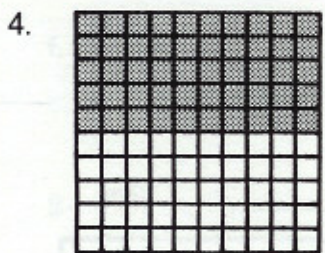
The fraction shaded is $\frac{1}{100}$
(read "one hundredth").

ones	tenths	hundredths
0	0	1

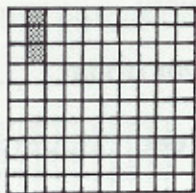
The hundredths' place is the second place after the decimal point.
The decimal part shaded is 0.01.

What part is shaded? Write your answer in words, as a fraction and as a decimal.

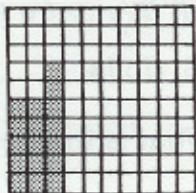




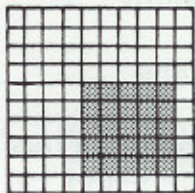
1.



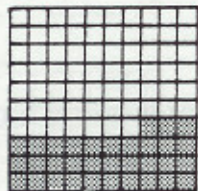
2.



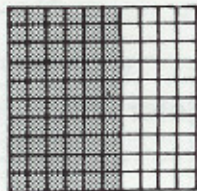
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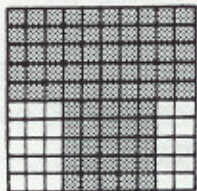
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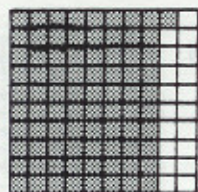
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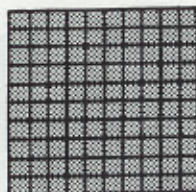
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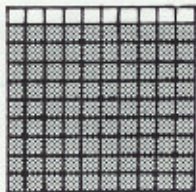
7.



8.



9.



Changing decimals to common fractions

The place value of the last digit to the right of the decimal point tells you the denominator of the fraction. All fractions should be reduced to lowest terms.

Ex. .7 is 7 tenths or $\frac{7}{10}$

Ex. .25 is 25 hundredths or $\frac{25}{100} = \frac{1}{4}$

Notice:

The number of digits to the right of the decimal point matches the number of zeros in the denominator.

Change to fractions in lowest terms.

1. .9 _____

2. .6 _____

3. .75 _____

4. .25 _____

5. .5 _____

6. .8 _____

7. .125 _____

8. .35 _____

9. .125 _____

10. .035 _____

11. .04 _____

12. .025 _____

13. .016 _____

14. .15 _____

15. .87 _____

16. .08 _____

Change to mixed fractions in lowest terms.

17. 2.5 _____

18. 8.4 _____

19. 6.8 _____

20. 7.9 _____

21. 1.7 _____

22. 3.2 _____

23. 7.45 _____

24. 2.25 _____

25. 4.75 _____

26. 3.125 _____

27. 6.08 _____

28. 1.32 _____

29. 1.375 _____

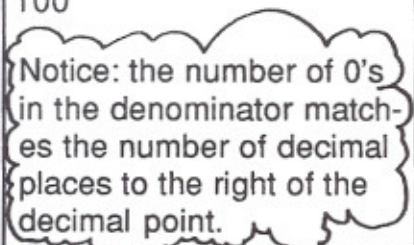
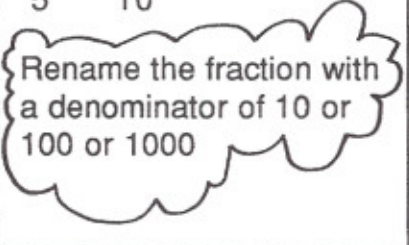
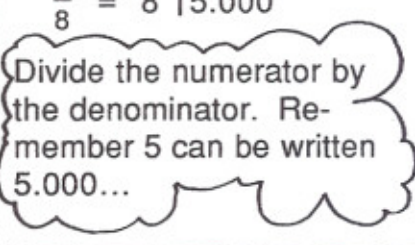
30. 2.84 _____

31. 1.55 _____

32. 3.07 _____

Changing fractions to decimals

Here are three different ways to change fractions to decimals, depending on the kind of fraction you start with.

When the denominator is 10, 100 or 1000	When the denominator is <u>not</u> 10, 100 or 1000	When the denominator is <u>not</u> 10, 100 or 1000
$\frac{7}{100} = .07$ 	$\frac{3}{5} = \frac{6}{10} = .6$ 	$\frac{5}{8} = 8 \overline{)5.000}$ 

Change to decimal fractions. Choose the easiest way.

1. $\frac{3}{10}$ _____ 2. $\frac{18}{100}$ _____ 3. $\frac{7}{10}$ _____ 4. $\frac{35}{100}$ _____

5. $\frac{475}{1000}$ _____ 6. $\frac{73}{1000}$ _____ 7. $\frac{7}{100}$ _____ 8. $\frac{9}{1000}$ _____

9. $\frac{1}{4}$ _____ 10. $\frac{4}{5}$ _____ 11. $\frac{1}{5}$ _____ 12. $\frac{2}{5}$ _____

13. $\frac{17}{20}$ _____ 14. $\frac{14}{25}$ _____ 15. $\frac{41}{50}$ _____ 16. $\frac{9}{20}$ _____

17. $\frac{3}{8}$ _____ 18. $\frac{7}{8}$ _____ 19. $\frac{1}{8}$ _____ 20. $\frac{1}{16}$ _____

21. $\frac{5}{16}$ _____ 22. $\frac{11}{25}$ _____ 23. $\frac{5}{8}$ _____ 24. $\frac{3}{16}$ _____

Change to mixed decimal fractions.

25. $6\frac{1}{2}$ _____ 26. $3\frac{1}{4}$ _____ 27. $5\frac{3}{5}$ _____ 28. $1\frac{3}{4}$ _____

29. $1\frac{2}{5}$ _____ 30. $1\frac{7}{10}$ _____ 31. $1\frac{17}{1000}$ _____ 32. $2\frac{125}{1000}$ _____