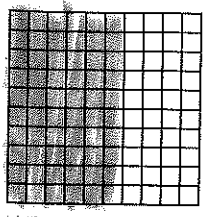


# 4-7 Writing Decimals as Fractions

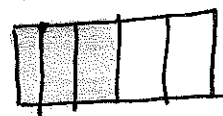
0.60

$$\frac{60}{100} \div \frac{20}{20} = \frac{3}{5} \text{ or } \frac{60}{100} \div \frac{20}{20} = \frac{3}{5}$$

$$\frac{6 \div 2}{10 \div 2} = \frac{3}{5} = 60\%$$



$\frac{6}{10}$

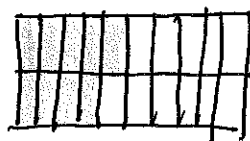
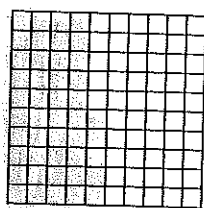


$\frac{3}{5}$

0.45

$$\frac{45}{100} \div \frac{5}{5} = \frac{9}{20}$$

= 45%

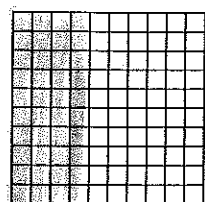
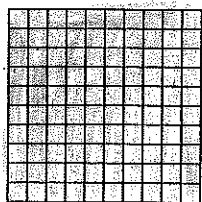


0.375

$$\frac{375}{1000} \div \frac{125}{125} = \frac{3}{8}$$

1.40

$$1.40 = 1 \frac{40}{100} \div \frac{20}{20} = 1 \frac{2}{5} \text{ or } 1 \frac{4 \div 2}{10 \div 2} = 1 \frac{2}{5}$$



# 4-8 Fractions as a Decimal

Part  
whole

$$\frac{2}{5} = \frac{4}{10} = 0.4 \quad \frac{2}{5} \div \frac{5}{5} = 2 \div 5$$

$$5 \overline{) 2.0} \\ \underline{-20} \\ 0$$

$$\frac{3}{4} = \frac{75}{100} = 0.75$$

$$4 \overline{) 3.00} \\ \underline{-28} \downarrow \\ 20 \\ \underline{-20} \\ 0$$

$$\frac{5}{8} = \frac{625}{1000} = 0.625$$

$$\frac{5}{4} = 1.25$$

$$4 \overline{) 5.00} \\ \underline{-4} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-20} \\ 0$$

$$4 \frac{1 \times 2}{5 \times 2} = 4 \frac{2}{10} = 4.2$$

$$3 \frac{1 \times 5}{2 \times 5} = 3 \frac{5}{10} = 3.5$$

or

$$\frac{21}{5} = 4.2$$

$$5 \overline{) 21.0} \\ \underline{-20} \\ 10 \\ \underline{-10} \\ 0$$

$$\frac{7}{2} = 3.5$$

$$2 \overline{) 7.0} \\ \underline{-6} \\ 10 \\ \underline{-10} \\ 0$$