

FRACTION PROBLEMS for REVIEW

Group__ Members present : _____

For this set you are to use a two-pronged approach.

A) First solve the problem using a diagram.

B) Then solve the problem using ordinary fraction arithmetic, **explaining what you are doing.**

1) Ned bought a pack of audio tapes that were marked down by 25%. The usual price for these tapes is \$6.00 a pack. How much did Ned pay?

2) Suzy bought some DVDs, also marked down by 25%. She paid \$6.00 for them. How much was their usual price ?

3) Lance intends to run $5 \frac{1}{2}$ miles today. He has just finished running $3 \frac{3}{4}$ miles. What portion of his run does he have left?

4) Aviva ran $\frac{5}{6}$ of a mile the first day of summer when she started running regularly. On the last day of summer, she was able to run $1 \frac{1}{4}$ miles. How much further did she run at the end of the summer than when she started?

5) The furniture in a house is valued at \$12,500. The house is worth 4 and a half times as much as the furniture. How much are both together worth?

6) 5 and a half pounds of chocolate chip cookies are to be packed into bags each of which holds a third of a pound. How many bags will be filled and how much will be left for the packer to munch on?

7) A batch of cookies requires $2 \frac{1}{4}$ cup of flour and 1 egg. You have in your kitchen 8 cups of flour and a half dozen eggs.

a) How many batches of cookies can you make?

b) After you have made the cookies, how much flour and how many eggs will you have left? What portion of the original amount of flour and the original number of eggs will you have left?

Willie left home with a bunch of flowers for Suzabelle. Halfway to her house, he sneezed very hard and knocked the petals off $\frac{2}{3}$ of them. He threw away the petal-less ones and hastily went home and added 4 more to the remaining bunch. Opening the gate to her front yard he dropped $\frac{4}{5}$ of the flowers he was carrying into a mud puddle. So he picked three flowers from Suzabelle's mother's prize gladiola patch and rang the doorbell. "How lovely", said Suzabelle. "Now I'll have a dozen flowers--I only had 5 before." How many did Willie set out with the first time?

