

Show each step on a separate paper. Carefully number each problem. Write the answer on this sheet.

- _____ 1. Find $1/4\%$ of 480.
- _____ 2. If the price of carpet is \$1.95 a square foot, how much would it cost to carpet a room that is 12 feet by 17 feet? (draw a picture)
- _____ 3. Your bedroom is triangular in shape. You measure the walls and find they are 15 feet, 12 feet, and 13 feet. Your room has one door that is $2\frac{1}{2}$ feet wide. How much base board will you need to put trim around the bottom of each wall? (draw a picture)
- _____ 4. Subtract $1/4\%$ of 58 from $1/2\%$ of 86.
- _____ 5. How many feet of fence would you need to buy to fence a regular pentagonal garden that is eight and two-thirds feet on each side? Use fractions.
- a. _____ 6. You use two-thirds of your \$255 saving to buy Christmas presents. Then you put three-fourths of the remaining money in the offering at church. a. Write a fraction that tells what part of your money you spent and gave away. b. Use multiplication to find how much money you spent or gave away. c. Tell how much money you still have left.
- b. _____
- c. _____
- _____ 7. Your mother gives you two gallons of punch. You sell it for \$0.75 a cup. How much money did you make?
- _____ 8. A regular quadrilateral has sides of three and two-thirds foot. What is its area? Solve using fractions. (draw a picture)
- _____ 9. You buy two shirts for 15.95 each and three ties for 11.49 each. How much would you have to pay the store clerk if the sales tax is 7%?
- _____ 10. Jessie got 82% of the 350 points possible in math class. How many points did he get?
- _____ 11. Alice got 67 points on a 75 point test. What percent did she get correct and what would her grade be? Round to nearest whole percent.
- _____ 12. Tom's dad drove 600 miles at 65 mph. How long were you driving? Round to nearest whole number.
- _____ 13. How much would six and two-thirds pounds of nails cost at \$3.15 a pound? Use fractions.
- _____ 14. A circular garden needs a fence to keep the rabbits out. How much fence is needed if the radius of the garden is 17 feet? Round to nearest foot.
- _____ 15. How many days are in two and one-half years? Show conversion factor steps.