

Summer Shed Project 2005 - Math Pretest

- Make your best drawing of a:

45 degree angle _____ 60 degree angle _____

- Suppose you have a piece of wood that is 13 ft long. You are asked to cut 1 foot of wood off each side. How long is your new piece of wood? Show your work.
- On a trip to Home Depot you are asked to buy:

1 hammer (\$14.50)

1 level (\$4.25)

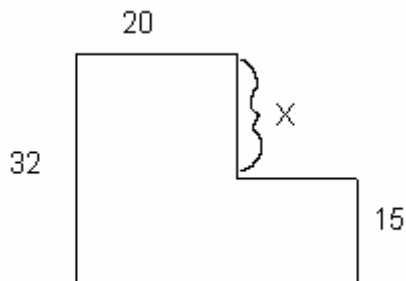
1 handsaw (\$12.80)

1 package of shingles (\$27.90)

nails (\$.75)

What is your total bill? (Show your work)

- Describe in your own words what the term “surface area” means. Draw a picture to go along with your explanation. The floor of our shed is a square. One side of the floor is 6.4 feet. What is the “perimeter” of this floor? Show your work.
- Our bill at Home Depot for the roof of our shed was \$420.00. If we got a 50 % discount how much would we save? _____ What would we save if we only had a 25% discount? _____ What about for a 10% discount? _____
- We plan on working outside on the shed from 9:00 a.m. to 11:30 a.m. every Wednesday and Thursday for five weeks. How many hours will each person work?
- Based on the drawing how long is “X”?



- A person is looking down at a floor from above. What term is used for this type of view? a) isometric b) orthographic c) geometric
- We are planning on building a full size shed for the courtyard. Think about everything we are going to need to complete this project. On a separate piece of paper make a list of everything you think we need to successfully complete this project (be creative).