

Word Problems with some thought...

Some of these problems require you to do something before you can solve the problem. Think about what you need for find a solution, then see if you can work out what you need. I would definitely draw a little diagram for problems 1-4.

1. Spencer has a square launching pad that is 10 feet on one side. Nolan's launch pad is a rectangle that is 12 feet by 8 feet. Who has the smaller launch pad and by how much?

Hint: What do you need to know before you can find the difference between the launch pads?

2. Val's roof has a rectangular hole in it where they made a cut for a skylight. The hole is 56 square feet in area. If the hole is 4 feet wide, what is the other dimension?

3. Owen's backyard was struck by a meteor, and it left a perfectly round hole with a diameter of 6 feet. Owen wants to cover the hole with camouflage cloth so he can use it as a trap. If the cloth costs \$3.50 per square foot, how much will it cost him to cover the hole so that the cloth extends one foot beyond the hole on all sides. (Assume he has no material left over.)

4. Incredibly, Sakara's hot tub cover was also struck by a meteor and it left a perfectly round hole with a radius of 2 feet. Compare the area of Owen's crater and Sakara's. Whose crater is larger? What's the difference?

5. Birdie sold 123 jars of her famous scrub at \$5 per jar. She's trying to make \$1000 bucks selling scrub. How many more jars does she need to sell?