

SUNSHINE MATH - 7
Neptune, XVI

Name: _____
(This shows my own thinking.)

- ★ 1. West Side High School graduated with honors 23 boys and 24 girls. There were 210 students who graduated without honors. What percent of the graduation class were honor students?



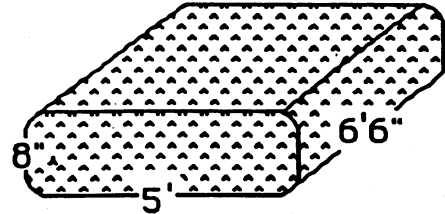
Answer: _____%

- ★ 2. If sixty is divided by one half and added to ten, what is the result?

Answer: _____

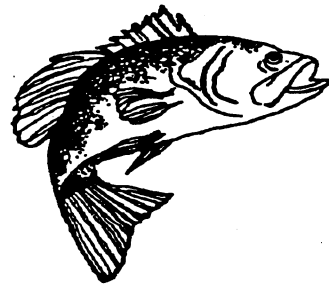
- ★★★★ 3. A queen-size water bed mattress measures 5 feet wide by 6 feet 6 inches long by 8 inches thick. Water weighs about 62 pounds per cubic foot. To the nearest 50 pounds, how much does such a mattress weigh, when full of water?

Answer: _____ pounds

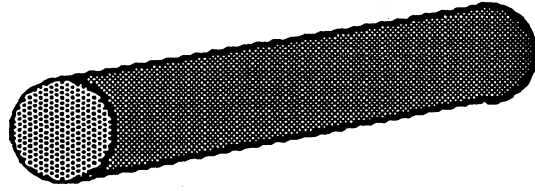


- ★★★ 4. Bob Jones sometimes fishes at the pier. The gulf is 8 feet deep at the pier, but every quarter mile you move away from the pier, the gulf becomes 1 foot deeper. Sometimes Bob takes his boat out to go fishing. When he is 3.25 miles from the pier, how deep is the water?

Answer: _____ feet deep



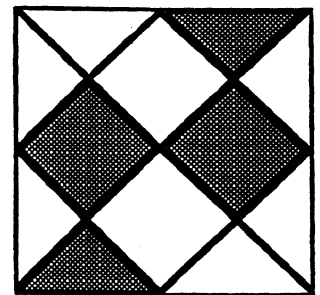
- ★★ 5. If it takes $5\frac{1}{4}$ minutes to make one cut through a log, how long will it take to cut a five foot log into 5 equal lengths?



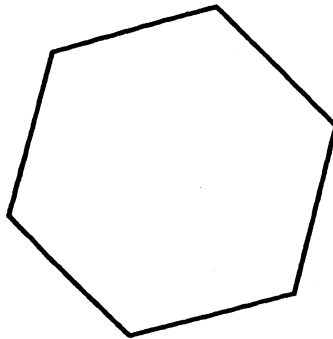
Answer: _____ minutes

- ★★ 6. The picture to the right is composed of squares and isosceles triangles. What percentage of the picture is shaded?

Answer: _____%



- ★★★ 7. Change this regular hexagon so that it looks like a cube by drawing only 3 additional line segments.



- ★★★★ 8. A candy bar weighs 4 ounces. If you eat only half of the remaining candy bar with each bite, how many bites have you taken when there is exactly 0.125 ounces left.

Answer: _____ bites