DIAGRAM PUZZLE

1. Work each exercise.
2. Find the dot by each answer and connect the dots in order.
3. Draw in line segments to complete the cube.

Exercises

1. A taxi charges 75 cents initial fee plus 11 cents each kilometer. Find the cost of a 280 km trip. $31.55

2. At a math contest, students began with 44 points, and were given 12 points for each problem correctly solved. How many points would a student have if he solved 38 problems correctly?

3. A certain 50 cm spring will stretch (in cm) $\frac{1}{5}$ the weight (in kg) attached to it. How long will the spring be if a 35 kg weight is attached to it?

4. A certain 32 cm spring will stretch (in cm) one-half the weight (in kg) attached to it. How long will the spring be if a 26 kg weight is attached to it?

5. Mrs. Karr Pett rented a shampooer. The charge was $1.75 per hour plus $5.25 for the shampoo. How much did she owe if she used the shampooer for 6 hours?

6. A lumber yard charges a fixed fee of $1.40 plus an additional 55 cents for each piece of wood it cuts. What would it cost to cut 55 pieces of wood?

7. The charge to call Tokyo, Japan is $8.50 for the first three minutes, plus $2.15 for each additional minute. What would a 23-minute call cost?

8. The Smash Hit parking lot on Broadway charges 85 cents for the first hour plus 55 cents for each additional hour. Find the cost of parking for 10 hours.

35.15 ●   ● 16.75

31.65   15.75
●   ●

● 51.50   ● 5.80

47 ●   ● 57   ●45

●   ● 35
500
                    ✱ 31.55
● 300