|  |
| --- |
| 1. A scale drawing of a building is shown below. The scale of the drawing is 1 cm = 5 m. **NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****BLOCK:\_\_\_\_\_\_\_\_\_\_\_****DIRECTIONS: Cut and paste the correct answer next to the matching problem. Show your work on a separate sheet of paper. Make sure to label each problem on your paper.**26033 What is the perimeter of the actual building?  |
| 2. A scale drawing of a living room is shown below. The scale used to create this drawing is 1 in. = 2 ft.26060 What is the area of the actual living room?  |
| 3. Natasha stands 5.5 feet tall and has a shadow that measures 3 feet long. At the same time, a tree next to Natasha has a shadow that measures 12 feet long. How tall is the tree? |
| 4. Both bedrooms in the drawing below are square.31155What is the area of Bedroom 1? |
| 5. On a map, the scale is 1 inch = 15 miles. On the map, the distance between two cities is 10 inches. What is the actual distance between these cities? |
| 6. Taylor made a scale drawing of his room using a scale of 0.25 inch = 1 foot. On the drawing, the length of his room is 3.25 inches and the width is 2.75 inches. What is the area of Taylor’s actual room? |
| 7. On a scale drawing for a house, the dining room is 3 inches by eq125313_s1 inches. * The scale for the drawing is eq125313_s2 inch = 2 feet.
* Flooring costs $2.75 per square foot.

How much will it cost to put new flooring in the dining room? |
| 8. The actual distance between Mike’s house and John’s house is 28 km. On a map, the distance between the two houses is 3.5 cm. What is the scale used on this map?A. 2 cm = 7 km B. 2 cm = 5 kmC. 1 km = 8 cm D. 1 cm = 8 km  |
| 9. Alex created a map of his neighborhood using a scale of 1 inch = 2 blocks. If his street is 6 blocks long, how long will it be on the map? |
| 10. Peter drew a scale drawing of his room with a length of 10 inches. The actual length of his room is eq124155_s1feet. The actual length of his desk is 40 inches. **Approximately** what is the length of the desk in the drawing? |
| 11. Heidi used a scale of eq125094_s1in. = 1 ft for a drawing of her bedroom. In her drawing, the bedroom measures eq125094_s2 in. by eq125094_s3 in. What is the area of Heidi’s actual bedroom? |

|  |  |
| --- | --- |
| 150 mi | 150 m |
| 3 inches | 2.5 inches |
| 143 $ft ^{2}$ | 1 cm = 8 km |
| 144 $ft^{2}$ | 22 ft |
| 144 $ft^{2}$ | 109.25 $ft^{2}$ |
| $ 462.00 | 150 m |
| 2.5 inches | 1 cm = 8 km |
| 22 ft |  |