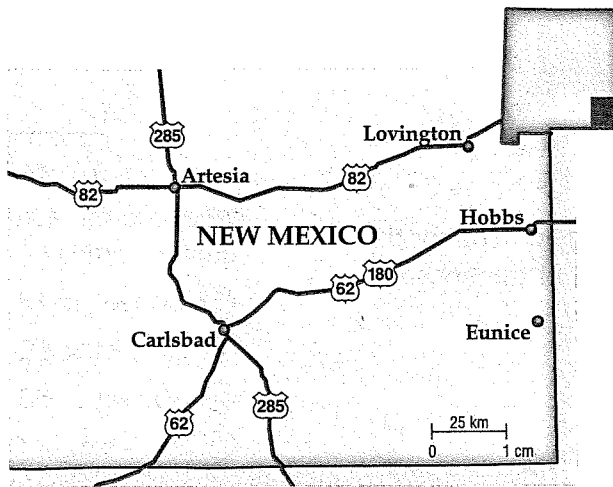


Extra Practice

CCSS Use Math Tools Find the actual distance between each pair of cities in New Mexico. Use a ruler to measure.



10. Carlsbad and Artesia 50 km

Homework Help

$$\frac{1 \text{ cm}}{25 \text{ km}} = \frac{2 \text{ cm}}{d \text{ km}}$$

$$1 \times d = 25 \times 2$$

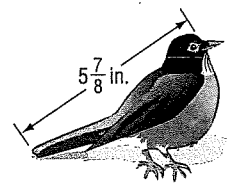
$$d = 50$$

11. Hobbs and Eunice _____

12. Artesia and Eunice _____

13. Lovington and Carlsbad _____

14. Find the length of the model. Then find the scale factor.
The length of an actual bird is shown at the right.



1 in. = 0.5 in.

Copy and Solve Show your work on a separate piece of paper.

15. A model of a tree is made using a scale of 1 inch = 25 feet. What is the height of the actual tree if the height of the model is $4 \frac{3}{8}$ inches?

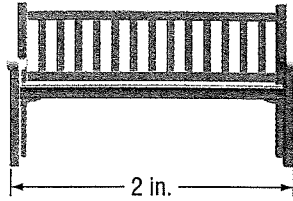
16. A map of Bakersfield has a scale of 1 inch = 5 miles. If the city is $5 \frac{1}{5}$ inches across on the map, what is the actual distance across the city?

17. Tyson is creating a scale drawing of the area of his school. The rectangular drawing shows the length as 20 inches and the width as 19 inches. The drawing uses a scale of 1 inch = 3 feet. What is the actual area of the school in square feet?



Standardized Test Practice

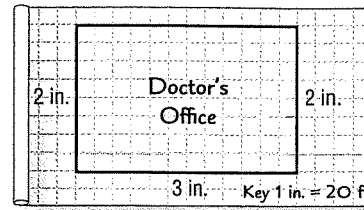
18. A landscape designer created the scale drawing below showing the bench that will be in the garden area.



Which of these was the scale used for the drawing if the actual width of the bench is 6 feet?

- (A) $\frac{1}{4}$ inch = 1 foot
- (B) 3 inches = 1 foot
- (C) $\frac{2}{3}$ inch = 1 foot
- (D) 1 inch = 3 feet

19. A scale drawing of a doctor's office is shown.



What are the actual dimensions of the doctor's office?

- (F) 24 feet \times 48 feet
- (G) 30 feet \times 52 feet
- (H) 40 feet \times 60 feet
- (I) 37.5 feet \times 65 feet

20. **Short Response** Ernesto drew a map of his school. He used a scale of 1 inch : 50 feet. What distance in inches on Ernesto's map should represent the 625 feet between the cafeteria and the science lab?



Common Core Review

21. A carpenter sawed a piece of wood into 3 pieces. The ratio of wood pieces is 1 : 3 : 6. The longest piece is 2.5 feet longer than the shortest piece. Use the *draw a diagram* strategy to find the length of the original piece. 6.RP.1

Solve each proportion. 7.RP.2C

22. $\frac{2}{5} = \frac{b}{25}$

23. $\frac{3}{7} = \frac{a}{49}$

24. $\frac{2}{9} = \frac{x}{99}$