

Practice Worksheet

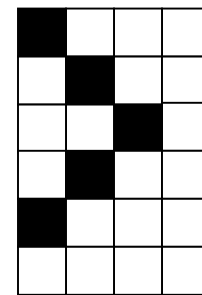
Content Standard: Solve Equations & Inequalities

Student Learning Expectations: Express answers using estimation, appropriate units, and sentence form.

1. Little Rock receives an average rainfall of 49.76 inches annually. So far this year, Little Rock has accumulated 24.91 inches. Estimate about how much more rain Little Rock can expect to receive (to the nearest inch).

2. During one weekend, the four members of the Cooper family plan to go to dinner, attend a concert, and take a museum tour. Each dinner will cost \$14.75. Each concert ticket will cost \$38.00. The museum tour will cost each person \$8.75. What is the estimate (to the nearest \$5 increment) of the total cost for **each** member of the family for the weekend?

3. Use the figure at the right to answer this question: What percent of the diagram is shaded (to the nearest whole number)?



4. What sentence describes this inequality:  $3n - 4 < 8$ ?
- Eight is less than 3 times a number, n, decreased by 4.
  - Three times a number, n, decreased by 4 is less than 8.
  - Three times a number, n, minus 4 is greater than 8.
  - Three times the quantity of a number, n, minus 4 is less than 8.

5. If 1 square foot is equal to 144 square inches, how many square inches are in 5 square feet?

6. Carpet sells for \$27.50 per square yard. What is the approximate cost of a square **foot**? (1 square yard = 9 square feet)

7. During a spring sale at Fit For You, Tonya decided to buy a new blouse. The blouse was originally priced at \$39.99 but was on sale for 25% off the original price. Approximately how much would Tonya pay for the blouse?

8. Estimate:  $\frac{698}{700} + \frac{804}{399} \left( \frac{440}{223} + \frac{603}{101} \right)$

9. Jordan has some **square** pieces of carpet that measure 4 feet on a side. He puts three of them together, end to end, to form a **rectangle** in front of his workbench. What is the perimeter of this rectangle?