



Advanced Multiplication Word Problems

Grade 5

Name: _____

Solve multi-step multiplication problems carefully.

Example: A teacher has 4 boxes with 8 red pens each and 3 boxes with 6 blue pens each. How many pens in total? Answer: $(4 \times 8) + (3 \times 6) = 32 + 18 = 50$ pens

(1) A store sells a shirt for \$15.75. If a customer buys 3 shirts and has a \$5.50 coupon, what is the final cost?

(2) A rectangular garden is 8.5 meters long and 4.2 meters wide. If a small flower bed of 3.7 square meters is removed from it, what is the remaining area?

(3) A factory produces 125.5 units per hour. In 8 hours, how many units are left after 75.25 units are shipped?

(4) Emily saves \$22.50 each week for 6 weeks. If she then spends \$35.75 on a book, how much money does she have left?



(5) A car travels at an average speed of 65.8 miles per hour for 3.5 hours. If 75.5 miles of that journey was on a highway, how many miles were traveled on other roads?

(6) A baker bakes 5 cakes, each weighing 1.8 pounds. If 2.5 pounds of cake are eaten, what is the remaining weight of cake?

(7) A gardener fills 4 watering cans, each holding 3.75 liters of water. If he uses 8.2 liters for his plants, how much water is left?

(8) A store received 15 cases of juice boxes. Each case costs \$12.50. If the store sold \$85.75 worth of juice boxes, what is the value of the remaining juice boxes?

(9) A tailor cuts 7 pieces of fabric, each 2.3 meters long. If he started with a roll of 20 meters, how much fabric is left after cutting the pieces?



(10) A solar panel generates 0.75 kWh of electricity per hour. If it operates for 6.5 hours and 2.1 kWh are used by the house, how much excess electricity is generated?

