



Division Word Problems: Division: Mixed Operations

Grade 5

Name: _____

Solve problems, decide operations, show work.

Example: A shop sells 5 packs with 6 pencils each. They divide all pencils equally among 3 classrooms. How many pencils per classroom? Answer: $5 \times 6 = 30$, then $30 \div 3 = 10$ pencils

- (1) A chef prepares 4.5 kg of dough. He uses 1.2 kg for bread and divides the rest equally into 4 batches for pastries. How much dough is in each pastry batch?



- (2) A gardener buys 4 bags of soil, each weighing 3.75 kg. She uses 2.5 kg of soil for her potted plants. The remaining soil is then divided equally among 4 flower beds. How much soil does each flower bed receive? 🌸

- (3) A construction worker has a metal rod that is 4.8 meters long. He cuts off 0.75 meters. He then cuts the remaining piece into 4 equal smaller rods. What is the length of each smaller rod? 🛠️

- (4) A store sells 4.5 liters of milk each day for 4 days. If the total milk sold is then divided equally into 4 large containers for delivery, how many liters are in each container? 🥛



(5) Emily buys 4 books, each costing \$12.40. She also buys a magazine for \$4.80. If she divides her total spending equally among 4 friends who contributed, how much did each friend pay? 📖

(6) A recipe calls for 4.25 cups of flour. If a baker makes 4 batches of this recipe and then divides the total flour used equally among 4 large storage bins, how much flour is in each bin? 🍞

(7) A company has 4 departments. Each department has 12.5 employees. If 4 employees retire, and the remaining employees are distributed equally among 4 new project teams, how many employees are on each team? 👥

(8) A scientist measures 4 samples, each weighing 0.45 grams. She combines them and then adds another 0.4 grams to the mixture. If she then divides the total mixture into 4 equal parts for further testing, what is the weight of each part? 🧪

