



Division Word Problems: Division: Challenge Problems

Grade 3

Name: _____

Solve carefully. Show all steps and creative thinking!

Example: A baker makes 6 trays with 7 cookies each. After selling 12, she packs the rest equally into 5 bags. How many in each bag? Answer: $6 \times 7 = 42$, $42 - 12 = 30$, then $30 \div 5 = 6$ cookies

- (1) A florist makes 9 bouquets with 10 flowers in each. She sells 30 flowers. She then arranges the remaining flowers equally into 5 vases. How many flowers are in each vase? 🌸

- (2) A library has 7 shelves, each with 12 books. They receive 28 new books. All the books are then distributed equally onto 8 larger shelves. How many books are on each new shelf? 📖

- (3) A teacher has 6 boxes, each containing 15 pencils. 18 pencils are broken and cannot be used. She shares the remaining pencils equally among 9 students. How many pencils does each student get? 🖋️

- (4) A baker bakes 8 batches of cookies, with 11 cookies in each batch. She sells 24 cookies. She then packs the remaining cookies equally into 8 bags. How many cookies are in each bag? 🍪



(5) A fruit stand has 5 baskets, each with 16 apples. 20 apples are bought and eaten. The remaining apples are shared equally among 10 friends. How many apples does each friend get? 🍏

(6) A toy store has 4 boxes, each containing 20 toys. They receive 40 more toys. All the toys are then arranged equally on 10 shelves. How many toys are on each shelf? 🎁

(7) Lily has 10 sheets of stickers, with 9 stickers on each sheet. She gives 30 stickers to her sister. She then shares the remaining stickers equally among 6 friends. How many stickers does each friend get? ✨

(8) David has 7 bags, each with 13 marbles. He loses 25 marbles. He then shares the remaining marbles equally among 6 friends. How many marbles does each friend get? 🎱

