



Division: Challenge Problems

Grade 4

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 bookstore receives 15 boxes, each with 20 books. They sell 50 books. The remaining books are equally distributed among 5 shelves. How many books are on each shelf? 📖
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- (2) A school buys 25 packs of pencils, with 12 pencils in each pack. They give away 30 pencils to a new class. The rest are shared equally among 10 teachers. How many pencils does each teacher get? 🖋️
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- (3) A gardener plants 18 rows of flowers, with 15 flowers in each row. A storm damages 60 flowers. The remaining flowers are divided equally into 7 bouquets. How many flowers are in each bouquet? 🌸
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- (4) A shop receives 12 sheets of stickers, with 24 stickers on each sheet. They sell 60 stickers. The remaining stickers are put into 6 small packets. How many stickers are in each packet? ✨
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- (5) A fruit stand has 16 boxes, each containing 30 apples. They throw away 80 spoiled apples. The good apples are then packed into bags, with 8 apples per bag. How many bags of apples do they have? 🍏
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- (6) A factory produces 20 batches of toy cars, with 18 cars in each batch. Due to a defect, 75 cars are discarded. The remaining cars are shipped to 5 stores, with each store receiving an equal number. How many cars does each store receive? 🚗
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- (7) A baker bakes 22 trays of cookies, with 10 cookies on each tray. She eats 10 cookies. The rest are placed equally into 7 cookie jars. How many cookies are in each jar? 🍪
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- (8) A child has 14 bags of marbles, with 25 marbles in each bag. He gives 50 marbles to his sister. He then organizes the remaining marbles into groups of 5. How many groups of marbles does he make? ⑧
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