Maya's Spring Garden Treasure Hunt

Grade 5 math spring

Students will multiply and divide multi-digit whole numbers using standard algorithms and multi-step reasoning.

Name: _____ Date: _____

1. Maya finds 6 rows of rare spring crocuses. Each row holds 9 blooms. How many rare crocuses did Maya count in all? Show your working.

2. Maya collects 56 unique seed packets from the garden shed. She divides them equally into 8 bags. How many unique seed packets go in each bag? Show your working.

3. Maya discovers 14 hidden treasure jars buried along the garden path. Each jar holds 23 rare wildflower seeds. How many rare seeds did Maya find in total? Show your working.

4. Maya spots a rare find — a patch of 312 rainbow tulip bulbs. She plants them equally into 8 flower beds. How many bulbs go in each bed? Show your working.

5. True or False: Maya arranges 425 special object spring stones into 17 equal groups. Each group holds exactly 25 stones. Show your working to prove it.

6. Maya hauls 3,648 rare seed packets to the garden. She arranges them into 12 equal rows. Fill in the blank: each row holds ___ rare seed packets. Show your working.

7. Maya finds a unique item — an old spring map. The map shows 24 hidden treasure plots. Each plot holds 136 golden daffodil bulbs. Maya sells each bulb for $3. How much money does she earn if she digs up all the bulbs? Show every step.

8. Maya reaches the heart of the garden and uncovers the hidden treasure — a locked cedar chest! The chest holds 4,752 rare spring gem-stones. Maya divides them equally among 16 friends. Each friend then trades 18 gems for a unique spring crown. How many gems does each friend have left after the trade? Show every step. What did Maya and her friends win today?

Answer Key: Maya's Spring Garden Treasure Hunt

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After Q6, ask students to share how they split 3,648 seed packets into 12 rows — multiple grouping strategies appear here, making it a rich whole-class discussion starter.

1. Maya finds 6 rows of rare spring crocuses. Each row holds 9 blooms. How many rare crocuses did Maya count in all? Show your working.

Answer: Q1: 6 rows × 9 rare crocuses per row = 54 rare crocuses. Answer: 54 rare crocuses.

2. Maya collects 56 unique seed packets from the garden shed. She divides them equally into 8 bags. How many unique seed packets go in each bag? Show your working.

Answer: Q2: 56 unique seed packets ÷ 8 bags = 7 unique seed packets per bag. Answer: 7 unique seed packets.

3. Maya discovers 14 hidden treasure jars buried along the garden path. Each jar holds 23 rare wildflower seeds. How many rare seeds did Maya find in total? Show your working.

Answer: Q3: 14 hidden treasure jars × 23 rare seeds per jar = 322 rare seeds. Working: 14 × 20 = 280, 14 × 3 = 42, 280 + 42 = 322. Answer: 322 rare seeds.

4. Maya spots a rare find — a patch of 312 rainbow tulip bulbs. She plants them equally into 8 flower beds. How many bulbs go in each bed? Show your working.

Answer: Q4: 312 rare bulbs ÷ 8 beds = 39 bulbs per bed. Working: 8 × 30 = 240, 312 − 240 = 72, 72 ÷ 8 = 9, 30 + 9 = 39. Answer: 39 bulbs per bed.

5. True or False: Maya arranges 425 special object spring stones into 17 equal groups. Each group holds exactly 25 stones. Show your working to prove it.

Answer: Q5: Check — 17 × 25 = ? Working: 17 × 20 = 340, 17 × 5 = 85, 340 + 85 = 425. 425 = 425. Answer: TRUE — each group holds exactly 25 special spring stones.

6. Maya hauls 3,648 rare seed packets to the garden. She arranges them into 12 equal rows. Fill in the blank: each row holds ___ rare seed packets. Show your working.

Answer: Q6: 3,648 rare seed packets ÷ 12 rows = ? Working: 12 × 300 = 3,600, 3,648 − 3,600 = 48, 48 ÷ 12 = 4, 300 + 4 = 304. Answer: each row holds 304 rare seed packets.

7. Maya finds a unique item — an old spring map. The map shows 24 hidden treasure plots. Each plot holds 136 golden daffodil bulbs. Maya sells each bulb for $3. How much money does she earn if she digs up all the bulbs? Show every step.

Answer: Q7 Step 1 — total bulbs: 24 plots × 136 bulbs per plot. Working: 24 × 100 = 2,400, 24 × 36 = 864 (24 × 30 = 720, 24 × 6 = 144, 720 + 144 = 864), 2,400 + 864 = 3,264 bulbs. Step 2 — total money: 3,264 bulbs × $3 = $9,792. Answer: Maya earns $9,792.

8. Maya reaches the heart of the garden and uncovers the hidden treasure — a locked cedar chest! The chest holds 4,752 rare spring gem-stones. Maya divides them equally among 16 friends. Each friend then trades 18 gems for a unique spring crown. How many gems does each friend have left after the trade? Show every step. What did Maya and her friends win today?

Answer: Q8 Step 1 — gems per friend: 4,752 rare gem-stones ÷ 16 friends. Working: 16 × 200 = 3,200, 4,752 − 3,200 = 1,552, 16 × 90 = 1,440, 1,552 − 1,440 = 112, 16 × 7 = 112, so 200 + 90 + 7 = 297 gems per friend. Step 2 — gems after trade: 297 − 18 = 279 gems left per friend. Answer: Each friend has 279 rare gem-stones left. Maya and her friends discovered the hidden treasure, split every gem fairly, and each wore a unique spring crown — Maya's best spring adventure yet!