Grade 4 Multi-Step Math Adventures

Solve multi-step problems featuring space, pirates, basketball, and more!

Name: _____ **Date:** _____

1 UNICORNS

Maya bought 50 sparkling horseshoe charms for her 4 unicorns. She gave 6 charms to a friendly fairy, and then gave an equal number of the remaining charms to each unicorn so that each got 8 charms. How many extra charms does Maya have left over?

Work:

Answer: _____

2 SPACE

Astronaut Leo packed 3 boxes of space ice cream with 40 packets in each box. His crew ate 36 packets during the voyage. He wants to divide the remaining packets equally among 4 alien guests. How many packets does each alien get?

Work:

Answer: _____

3 MERMAIDS

Coral the mermaid collected 5 pouches of shiny sea glass with 18 pieces in each pouch. She traded 30 pieces for a magic shell, and then placed the rest equally into 6 treasure chests. How many pieces of sea glass went into each chest?

Work:

Answer: _____

4 CATS

A cat shelter received 8 cases of cat food with 12 cans in each case. The workers used 24 cans on Monday to feed the kittens. They divided the remaining cans equally among 6 adult cat rooms. How many cans did each room get?

Work:

Answer: _____

5 BASKETBALL

Marcus scored 6 three-point baskets and 8 two-point baskets in his championship basketball game. His teammate Sam scored 15 points in total. How many more points did Marcus score than Sam?

Work:

Answer: _____

6 PIRATES

Captain Blackbeard uncovered 150 gold coins in a treasure chest. He spent 30 coins on a new ship wheel and 24 coins on a strong anchor. He divided the rest of the gold coins equally among his 8 crew members. How many gold coins did each crew member receive?

Work:

Answer: _____

TEACHER / PARENT

Answer Key

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1. Maya bought 50 sparkling horseshoe charms for her 4 unicorns. She gave 6 charms to a friendly fairy, and then gave an equal number of the remaining charms to each unicorn so that each got 8 charms. How many extra charms does Maya have left over? **12**

2. Astronaut Leo packed 3 boxes of space ice cream with 40 packets in each box. His crew ate 36 packets during the voyage. He wants to divide the remaining packets equally among 4 alien guests. How many packets does each alien get? **21**

3. Coral the mermaid collected 5 pouches of shiny sea glass with 18 pieces in each pouch. She traded 30 pieces for a magic shell, and then placed the rest equally into 6 treasure chests. How many pieces of sea glass went into each chest? **10**

4. A cat shelter received 8 cases of cat food with 12 cans in each case. The workers used 24 cans on Monday to feed the kittens. They divided the remaining cans equally among 6 adult cat rooms. How many cans did each room get? **12**

5. Marcus scored 6 three-point baskets and 8 two-point baskets in his championship basketball game. His teammate Sam scored 15 points in total. How many more points did Marcus score than Sam? **19**

6. Captain Blackbeard uncovered 150 gold coins in a treasure chest. He spent 30 coins on a new ship wheel and 24 coins on a strong anchor. He divided the rest of the gold coins equally among his 8 crew members. How many gold coins did each crew member receive? **12**