



Place Value Adventure Math

Solve these multi-step puzzles about Minecraft, Space, Sports, and Cats!

Name: _____ Date: _____

1 MINECRAFT

Steve has 5 hundreds of cobblestone blocks and 4 tens of cobblestone blocks in his inventory. He uses 120 of these blocks to build a safe shelter. He splits the remaining blocks equally between 2 storage chests. How many blocks go into each chest?

Work:

Answer: _____

2 SPACE

An astronaut counts 8 thousands of floating space dust particles on her sensor. She then detects another 3 hundreds of particles. If solar winds blow away 150 particles, and she captures the rest equally in 5 test canisters, how many particles are in each canister?

Work:

Answer: _____

3 SOCCER

A stadium sells 4 thousands of tickets on Saturday and 7 hundreds of tickets on Sunday. The manager has to refund 120 tickets due to a rain delay. If the rest of the tickets are scanned equally at 10 different gate entrances, how many tickets are scanned at each gate?

Work:

Answer: _____

4 CATS

A cat rescue center has 6 bags of dry food that each weigh 100 ounces, and 8 smaller bags that weigh 10 ounces each. After feeding the kittens 140 ounces of food, the remaining food is divided equally among 3 large jars. How many ounces of food are in each jar?

Work:

Answer: _____

5 BASKETBALL

A youth basketball league scores 3 hundreds of points in the first tournament and 5 tens of points in the second tournament. The referees deduct 20 penalty points from their total score. If the remaining points are shared equally among the 10 players, how many points does each player get credited?

Work:

Answer: _____

Alex collects 7 hundreds of oak planks and 8 tens of birch planks. She uses 3 hundreds of these planks to build a high watchtower, and another 140 planks to build a fence around her garden. How many planks does Alex have left in total?

Work:

Answer: _____

Answer Key

Place Value Adventure Math · Grade 4

1. Steve has 5 hundreds of cobblestone blocks and 4 tens of cobblestone blocks in his inventory. He uses 120 of these blocks to build a safe shelter. He splits the remaining blocks equally between 2 storage chests. How many blocks go into each chest? **210**
2. An astronaut counts 8 thousands of floating space dust particles on her sensor. She then detects another 3 hundreds of particles. If solar winds blow away 150 particles, and she captures the rest equally in 5 test canisters, how many particles are in each canister? **1630**
3. A stadium sells 4 thousands of tickets on Saturday and 7 hundreds of tickets on Sunday. The manager has to refund 120 tickets due to a rain delay. If the rest of the tickets are scanned equally at 10 different gate entrances, how many tickets are scanned at each gate? **458**
4. A cat rescue center has 6 bags of dry food that each weigh 100 ounces, and 8 smaller bags that weigh 10 ounces each. After feeding the kittens 140 ounces of food, the remaining food is divided equally among 3 large jars. How many ounces of food are in each jar? **180**
5. A youth basketball league scores 3 hundreds of points in the first tournament and 5 tens of points in the second tournament. The referees deduct 20 penalty points from their total score. If the remaining points are shared equally among the 10 players, how many points does each player get credited? **33**
6. Alex collects 7 hundreds of oak planks and 8 tens of birch planks. She uses 3 hundreds of these planks to build a high watchtower, and another 140 planks to build a fence around her garden. How many planks does Alex have left in total? **340**