



The Great Wilderness Expedition

Multi-Step Word Problems: Operations & Fractional Parts

Name: _____ Date: _____

1 JUNGLE TEMPLE

Maya discovered 120 ancient gold coins in a hidden jungle temple. She gave $\frac{1}{4}$ of the coins to her local guide and divided the remaining coins equally among her 3 adventure crew members. How many coins did each crew member receive?

Work: _____

Answer: _____

2 SEA VOYAGE

Captain Liam loaded 200 barrels of fresh water onto his ship before setting sail. During the first week, the crew consumed $\frac{1}{5}$ of the total supply, and a sudden storm washed another 16 barrels overboard. If the remaining water is split equally across the final 8 days of the voyage, how many barrels can they use per day?

Work: _____

Answer: _____

3 CRYSTAL CAVE

Leo found a subterranean cavern containing 180 glowing crystals. He collected $\frac{2}{3}$ of the crystals and packed them evenly into 4 reinforced storage crates to transport back to base camp. How many crystals were placed in each crate?

Work:

Answer: _____

4 DESERT EXPEDITION

An archaeological expedition needs to transport 250 kilograms of gear across the desert dunes. The team loaded $\frac{2}{5}$ of the weight onto a camel and secured 30 kilograms onto a donkey. If the rest of the gear is divided equally among 6 researchers, how many kilograms will each researcher carry?

Work:

Answer: _____

5 AIRSHIP JOURNEY

The sky vessel Cloud Runner began its journey with 360 liters of liquid fuel. The vessel consumed $\frac{3}{8}$ of its fuel during ascent and burned another 45 liters while navigating through a gale. If the remaining fuel must be distributed evenly across the 6 remaining legs of the journey, how many liters can be allocated to each leg?

Work:

Answer: _____

To unlock the ancient stone gateway, Elena must collect 300 enchanted runestones. She gathered $\frac{3}{5}$ of the total from the lower catacombs and 40 from the upper balcony. If she packs the remaining needed runestones evenly into 8 satchels, how many runestones will go into each satchel?

Work:

Answer: _____

Answer Key

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1. Maya discovered 120 ancient gold coins in a hidden jungle temple. She gave $\frac{1}{4}$ of the coins to her local guide and divided the remaining coins equally among her 3 adventure crew members. How many coins did each crew member receive? **30**
2. Captain Liam loaded 200 barrels of fresh water onto his ship before setting sail. During the first week, the crew consumed $\frac{1}{5}$ of the total supply, and a sudden storm washed another 16 barrels overboard. If the remaining water is split equally across the final 8 days of the voyage, how many barrels can they use per day? **18**
3. Leo found a subterranean cavern containing 180 glowing crystals. He collected $\frac{2}{3}$ of the crystals and packed them evenly into 4 reinforced storage crates to transport back to base camp. How many crystals were placed in each crate? **30**
4. An archaeological expedition needs to transport 250 kilograms of gear across the desert dunes. The team loaded $\frac{2}{5}$ of the weight onto a camel and secured 30 kilograms onto a donkey. If the rest of the gear is divided equally among 6 researchers, how many kilograms will each researcher carry? **20**
5. The sky vessel Cloud Runner began its journey with 360 liters of liquid fuel. The vessel consumed $\frac{3}{8}$ of its fuel during ascent and burned another 45 liters while navigating through a gale. If the remaining fuel must be distributed evenly across the 6 remaining legs of the journey, how many liters can be allocated to each leg? **30**
6. To unlock the ancient stone gateway, Elena must collect 300 enchanted runestones. She gathered $\frac{3}{5}$ of the total from the lower catacombs and 40 from the upper balcony. If she packs the remaining needed runestones evenly into 8 satchels, how many runestones will go into each satchel? **10**