

Peak Adventures: Fractions in the Mountains

Math

Grade 4

Mountains Theme

Help the mountain climbers, hikers, and wildlife complete their fractional quests by solving each adventure problem!

NAME _____

DATE _____

SCORE _____ / 8

1

Mountain climber Petra is scaling Mount Summit. She has completed $\frac{3}{8}$ of the climb to base camp. Her friend Marco has completed $\frac{2}{8}$ of the same climb. How much more of the mountain has Petra climbed than Marco?

2

A family of mountain goats found a patch of alpine flowers. The mother goat ate $\frac{1}{4}$ of the flowers, and the baby goat ate $\frac{2}{4}$ of the flowers. What fraction of the flower patch did they eat together?

3

Explorer Diego is hiking the Rocky Ridge Trail. The trail is 1 whole mile long. He has hiked $\frac{5}{6}$ of the way to the summit. How much further does he need to hike to reach the top?

4

Two mountain eagles are hunting together. The first eagle catches $\frac{4}{10}$ of a day's meals from the valley, and the second eagle catches $\frac{3}{10}$. What fraction of their daily meals have they caught so far?

5

A mountain ranger has 12 granola bars to distribute among hungry hikers. She gives $\frac{1}{3}$ of them to the morning group. How many granola bars does the morning group receive?

6

Crystal Lake sits at the base of Granite Peak. The water level fills $\frac{3}{5}$ of the lake's total capacity after spring snowmelt. What fraction of the lake's capacity is still empty?

7

Mountain ranger Sam is dividing a large cache of supplies. He gives $\frac{1}{2}$ to the east camp and $\frac{1}{4}$ to the west camp. What fraction of supplies has he distributed in total?

8

A snow leopard family divides their territory. The mother claims $\frac{2}{6}$ of the mountain slope, the father claims $\frac{2}{6}$, and the cubs claim $\frac{1}{6}$. What fraction of the slope do the cubs claim compared to both parents combined?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Mountain climber Petra is scaling Mount Summit. She has completed $\frac{3}{8}$ of the climb to base camp. Her friend Marco has completed $\frac{2}{8}$ of the same climb. How much more of the mountain has Petra climbed than Marco?

ANSWER

$\frac{1}{8}$

2

A family of mountain goats found a patch of alpine flowers. The mother goat ate $\frac{1}{4}$ of the flowers, and the baby goat ate $\frac{2}{4}$ of the flowers. What fraction of the flower patch did they eat together?

ANSWER

$\frac{3}{4}$

3

Explorer Diego is hiking the Rocky Ridge Trail. The trail is 1 whole mile long. He has hiked $\frac{5}{6}$ of the way to the summit. How much further does he need to hike to reach the top?

ANSWER

$\frac{1}{6}$ mile

4

Two mountain eagles are hunting together. The first eagle catches $\frac{4}{10}$ of a day's meals from the valley, and the second eagle catches $\frac{3}{10}$. What fraction of their daily meals have they caught so far?

ANSWER

$\frac{7}{10}$

5

A mountain ranger has 12 granola bars to distribute among hungry hikers. She gives $\frac{1}{3}$ of them to the morning group. How many granola bars does the morning group receive?

ANSWER

4 granola bars

6

Crystal Lake sits at the base of Granite Peak. The water level fills $\frac{3}{5}$ of the lake's total capacity after spring snowmelt. What fraction of the lake's capacity is still empty?

ANSWER

$\frac{2}{5}$

7

Mountain ranger Sam is dividing a large cache of supplies. He gives $\frac{1}{2}$ to the east camp and $\frac{1}{4}$ to the west camp. What fraction of supplies has he distributed in total?

ANSWER

$\frac{3}{4}$

8

A snow leopard family divides their territory. The mother claims $\frac{2}{6}$ of the mountain slope, the father claims $\frac{2}{6}$, and the cubs claim $\frac{1}{6}$. What fraction of the slope do the cubs claim compared to both parents combined?

ANSWER

$\frac{1}{6}$ less (or the cubs claim $\frac{1}{6}$ while parents claim $\frac{4}{6}$)

