

Name _____

The Search for the Lost Emeralds Answer Key

1. The Lost Boat Supplies - 8 crates \times 12 cans each = $8 \times 12 = 96$ cans

18 cans lost $\rightarrow 96 - 18 = 78$ cans

10 cans found $\rightarrow 78 + 10 = 88$ cans **Answer: 88 cans**

2. The Jungle Path - First 4 days: 6 miles/day $\rightarrow 6 \times 4 = 24$ miles

Rest day: 3 more miles

Total = $24 + 3 = 27$ miles **Answer: 27 miles**

3. The Emerald Market - She sold 8 emeralds at \$25 each $\rightarrow 8 \times 25 = \200 earned

She bought 3 new ones at \$20 each $\rightarrow 3 \times 20 = \60 spent

Net money = $\$200 - \$60 = \$140$ **Answer: \$140 net gain**

4. The Hidden Waterfall - Waterfall height: 90 meters

Rope is tied every 15 meters $\rightarrow 90 \div 15 = 6$ tie points total including the top

Those tie points are at 15, 30, 45, 60, 75, 90 meters.

Problem says: "not counting the top," so don't count 90. $\rightarrow 6 - 1 = 5$

Answer: 5 resting points

5. The Cave of Shadows - 5 treasure rooms

Each room: 4 chests $\rightarrow 5 \times 4 = 20$ chests

Each chest: 15 coins $\rightarrow 20 \times 15$ $20 \times 10 = 200$

$20 \times 5 = 100$ Total = $200 + 100 = 300$ coins

Guard takes 30 coins $\rightarrow 300 - 30 = 270$ coins **Answer: 270 coins kept**

6. The Trading Village - Each trader sells: 25 bananas, 36 coconuts

There are 3 traders: Bananas total = $25 \times 3 = 75$ bananas

Coconuts total = $36 \times 3 = 108$ coconuts

They buy: Half of the bananas $\rightarrow 75 \div 2 = 37.5$

(Since you can't really buy half a banana in most classroom math, we'll treat this as 37.5 bananas. You can round later if your students need whole numbers only.)

One third of the coconuts $\rightarrow 108 \div 3 = 36$ coconuts

Total fruit "bought" = $37.5 + 36 = 73.5$

If you want whole-number classroom answer, assume they buy 38 bananas (rounding 37.5 up) $\rightarrow 38 + 36 = 74$ fruits.

I'll give both:

Answer (exact math as written): 73.5 fruits

Answer (whole-fruit version): 74 fruits