

Name _____

Fractions, Decimals & Mixed Operations Adventure Answer Key

1. The Deep Dive

$$3.6 \times 8 = 28.8 \text{ meters down}$$

$$28.8 - 4.2 = \mathbf{24.6 \text{ meters deep}}$$

2. The Hidden Crate

$$\frac{1}{3} \text{ of } 24 = 8 \text{ coins removed} \rightarrow 24 - 8 = 16 \text{ coins remain}$$

$$16 \times 12.5 = \mathbf{200 \text{ grams}}$$

3. Oxygen Supply

$$1.2 \times 5 = 6.0 \text{ liters used}$$

$$9.6 - 6.0 = \mathbf{3.6 \text{ liters remain}}$$

4. The Treasure Ledger

$$125.75 + 248.50 + 306.25 = 680.50$$

$$680.50 - 185.25 = \mathbf{495.25 \text{ gold pieces remain}}$$

5. Pearl Polishing

$$\text{Work time} = 6.5 - 0.5 = 6 \text{ hours}$$

$$4.5 \times 6 = \mathbf{27 \text{ pearls polished}}$$

6. Sharing the Gemstones

$$\frac{2}{3} \times 72 = 48 \text{ emeralds}$$

$$48 \div 6 = \mathbf{8 \text{ emeralds per trader}}$$

7. The Weight of Gold Bars

$$7.8 \div 3 = \mathbf{2.6 \text{ kilograms per bar}}$$

8. The Sunken Map

$$8 \times 0.125 = \mathbf{1.0 \text{ (whole map = 1 island)}}$$

Answer: The entire island (the whole map)