



High Seas Arithmetic

Multi-Step Mathematical Adventures for Brave Pirates

Name: _____ Date: _____

1 FRACTIONS OF A NUMBER

Captain Redbeard finds a chest with 120 gold doubloons. He gives $\frac{1}{4}$ of them to his first mate and $\frac{2}{5}$ of them to the rest of the crew. How many doubloons does Redbeard keep for himself?

Work: _____

Answer: _____

2 MULTIPLICATION & SUBTRAC

The Jolly Roger pirate ship has 8 cannons on the port side and 8 cannons on the starboard side. Each cannon requires 5 pounds of gunpowder per shot. If the pirates have a barrel with 100 pounds of gunpowder, how many pounds will they have left after firing every cannon once?

Work: _____

Answer: _____

3 PLACE VALUE & MULTIPLICATION

Barnaby the pirate cartographer is decoding a secret coordinate. He multiplies the value of the digit in the thousands place of the number 7,452 by 3, and then subtracts 5 times the value of the digit in the tens place. What number does he get?

Work:

Answer: _____

4 DIVISION WITH REMAINDERS

A pirate crew of 15 sailors finds 308 ruby gems and shares them equally. The captain takes all the remaining leftover gems and sells them to a merchant for 20 gold coins each. How many gold coins does the captain earn from the leftover gems?

Work:

Answer: _____

5 MULTI-STEP MONEY WORD PROBLEMS

A pirate captain wants to buy new cutlasses for his 18 crew members. Each cutlass costs 25 gold pieces. The captain currently has 300 gold pieces, but he must first pay a harbor tax of 48 gold pieces. After paying the tax, how many more gold pieces does he need to buy all the cutlasses?

Work:

Answer: _____

The ship's cook prepared 16 barrels of salt beef, with each barrel holding 30 pieces of beef. During a storm, seawater leaks into the pantry and ruins $\frac{1}{8}$ of the total pieces of beef. How many pieces of beef are still safe to eat?

Work:

Answer: _____

Answer Key

High Seas Arithmetic · Grade 5

1. Captain Redbeard finds a chest with 120 gold doubloons. He gives $\frac{1}{4}$ of them to his first mate and $\frac{2}{5}$ of them to the rest of the crew. How many doubloons does Redbeard keep for himself? **42**
2. The Jolly Roger pirate ship has 8 cannons on the port side and 8 cannons on the starboard side. Each cannon requires 5 pounds of gunpowder per shot. If the pirates have a barrel with 100 pounds of gunpowder, how many pounds will they have left after firing every cannon once? **20**
3. Barnaby the pirate cartographer is decoding a secret coordinate. He multiplies the value of the digit in the thousands place of the number 7,452 by 3, and then subtracts 5 times the value of the digit in the tens place. What number does he get? **20750**
4. A pirate crew of 15 sailors finds 308 ruby gems and shares them equally. The captain takes all the remaining leftover gems and sells them to a merchant for 20 gold coins each. How many gold coins does the captain earn from the leftover gems? **160**
5. A pirate captain wants to buy new cutlasses for his 18 crew members. Each cutlass costs 25 gold pieces. The captain currently has 300 gold pieces, but he must first pay a harbor tax of 48 gold pieces. After paying the tax, how many more gold pieces does he need to buy all the cutlasses? **198**
6. The ship's cook prepared 16 barrels of salt beef, with each barrel holding 30 pieces of beef. During a storm, seawater leaks into the pantry and ruins $\frac{1}{8}$ of the total pieces of beef. How many pieces of beef are still safe to eat? **420**