

Notes: Gold coins

6 to 8

Solutions

The pirates have 19 gold coins.

- 1 The three piles had 4, 7 and 8 coins.
- 2 They used 5 boxes:
two with 5 coins, and three with 3 coins.

Extensions

You could make up similar problems with, say, 21 gold coins.

You could arrange 21 coins in:

3 piles each with 2 more than the one before
(5, 7, 9);

6 piles each with 1 less than the 1 before
(6, 5, 4, 3, 2, 1).

You could put 21 coins in 6 boxes:

three with 4 coins, and three with 3 coins; or
three with 2 coins, and three with 5 coins; or
three with 6 coins, and three with 1 coin.

Count in threes, fours or fives; use relationships of 1 more and 3 less
Work out a strategy