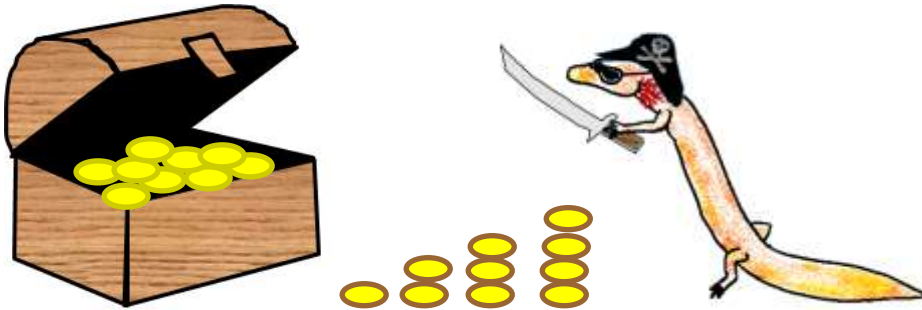




HOW MUCH TREASURE #5

Pirate Salamander has found a treasure chest with lots of gold pieces inside.



The chest is only large enough to hold a maximum of 120 gold pieces.

Pirate Salamander puts the gold into piles. He puts one coin in the first pile, two coins in the second, 3 coins in the third and so on.

He finds that when he has finished putting them into piles, there are no coins left over.

He makes more than 3 piles of coins and he also notices that the number of gold pieces is divisible by 3.

How many coins could there have been in the chest?

Find all possibilities.

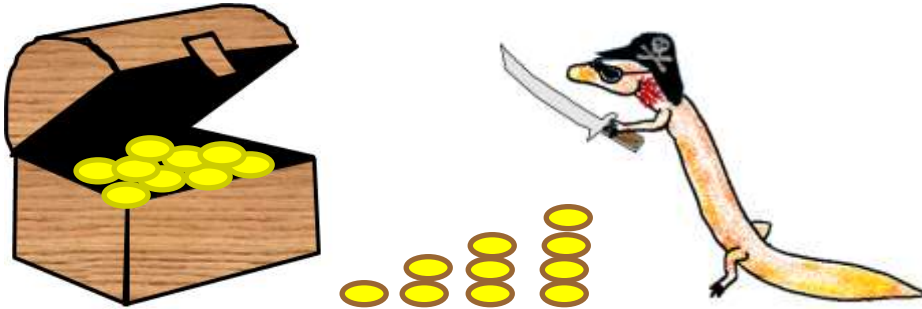
Name

Date



HOW MUCH TREASURE #5 ANSWERS

Pirate Salamander has found a treasure chest with lots of gold pieces inside.



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He makes more than 3 piles of coins and he also notices that the number of gold pieces is divisible by 3.

How many coins could there have been in the chest?

There are 8 possibilities.

15 21 36 45 66 78 105 and 120 coins