

# Burying Treasure

Teacher's Sheet **Year 3: 8a**

Redbeard the Pirate decided to bury some of his bags of gold on the desert island. He dug 6 deep holes in the sand for burying the bags of gold. For some strange reason, he decided to bury them in a special way. He buried 6 bags in the first hole, 10 bags in the second hole, 14 in the third hole and so on.



**How many bags of gold did he bury in the sixth hole?  
Complete the table to help you.**

Hole number	1	2	3	4	5	6
Bags of gold	6	10	14			

## Understand the problem

- What did Redbeard decide to do? (*bury some of his bags of gold*)
- How many holes did he dig? (*6*)
- How many bags of gold did he bury in the first hole? (*6*) In the second hole? (*10*) The third? (*14*)
- What are we trying to find? (*How many bags he buried in the sixth hole*)

## Plan a solution

- What are the numbers in the top row of the table? (*the number of each hole*)  
What are the numbers in the bottom row of the table? (*the number of bags of gold buried in each hole*)
- How many bags of gold did he bury in the fourth hole? (*18*) The fifth hole? (*22*)
- Count in 4s from 6 Can you see a pattern in the number of bags of gold he buried in each hole?  
(*counting on in 4s from 6*)

## Solve the problem

Complete the table/Look for a pattern.

Hole number	1	2	3	4	5	6
Bags of gold	6	10	14	18	22	26

*Redbeard buried 26 bags of gold in the sixth hole.*

## Follow-up problem

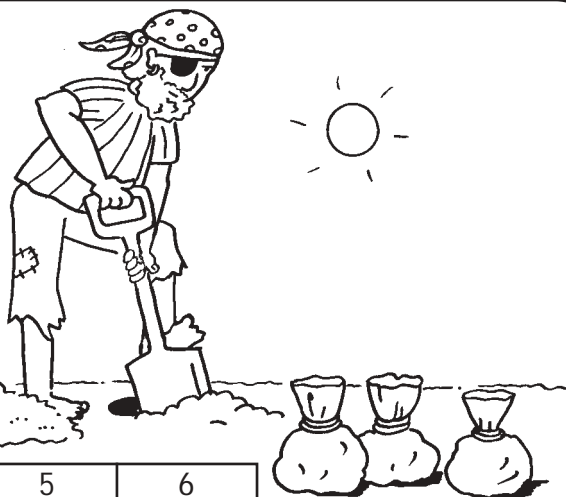
Suppose Redbeard decided to bury even more bags following the same pattern.

**In which number hole would he bury 38 bags? (*hole 9*)**

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### Understand the problem

### Plan a solution

### Solve the problem

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**In which number hole would he bury 38 bags?**