

**Maths: Felonius Gru and his Mathematical Minions:**

**Q1.** Bob the minion noticed that there were 9 more minions with two eyes than minions with one eye.



If there was a total of twenty three minions, how many minions with two eyes were there?

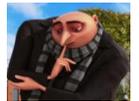


**Q2.** Kevin, Stuart and Bob, the minions have two homes on 2 different sites. Both sites have the **same area**.

One site is a square of length 6 metres and the other a rectangle of width 4 metres but the length is unknown.

If you added the perimeter of both the square and the rectangle what would the total be?

**Q3.** Felonius Gru needed a sequence for a plan, he went to see his friend Fibonacci.



Fibonacci told Felonius a sequence of numbers and they were

2    3    5    8    13    21    ...    ...    What are the next two numbers?

**Q4.** Felonius arrived on a Monday at 6:26pm and left on the following Friday at 3:40am.

How long did Felonius visit Fibonacci for?

**Q5.** The Minion divers were in the Mediterranean close to Pisa. They wanted to visit Rome and then continue on to Milan. Use the distance chart below to find the total distance covered by the minion divers.

Pisa	Rome	Milan	Venice	
	241	180	210	Pisa
		358	330	Rome
			170	Milan
				Venice

**Q6.** Agnes, Margo and Edith lose Felonius Gru, they hear that he might be in England. They need to solve a code for the puzzle fish to get the directions.

They need your help. The six numbers are 1, 2, 3, 4, 5 and 6 but not in that order. Here are some clues:-

The difference between the first and last number is 4

If you add the first and third number you will find the total to the second.

The middle two numbers total to five

The fifth number was the largest.

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What were the numbers from left to right?

**Q7.** When the girls found the building Felonius Gru was in, they needed to get to his office.

To get to his office they had a choice of hallways (all distances are in metres). What is the shortest distance from the start to the office?

