

About 12 moonlets



Far, far away in a little house lived mother, who had 2 daughters. Her own name was Helen and stepdaughter was called Maruska. She hated Maruska, because she is much more beautiful than Helen, so they wanted to ban from the house. In the middle of winter in the icy moons Helena decided that she wants violets. "Go and fetch me Marusa violets from the forest," she ordered immediately. "But now where do I pick violets?" But Helena's threatened that if she does not pick some violets, she will kill her. So she had to wade in deep snow until catch sight of light in the distance. She walked closer and saw that around the fire sits 12 little man. There were 12moonlets. "Why did you come here, missy?" icy month January asked Maruska "I am looking for violets," she said Maruska. "Truly now it's time for violets." "I know." She sad said and she told her story. He promised to help her if she advise him, how many different ways they can sit around the fire, so that in March and April will be always together and next to them would be September and October. Maruska agreed with him and so month March sat on a rock and melted snow for about the length of 40x50m. Maruska, however, could pick only 40% of the total number of violets in the garden. How big an area had Maruska collect? Maruska returned home with violets, but Helena did not smell it. A few days later Helena suddenly decided that he wants apples. So again Maruska had to overcome distressful journey, until she came to 12 moonlets. Again, she told them her story, and they helped

her. Maruska had a basket with a capacity of 20 liters. How many apples will fit into the basket, if an apple has a diameter of 5 cm? Maruska went home, but Helen still was not satisfied. Just she sent her again for strawberries. Maruska came to 12 moonlets and she asked them for help. They were sorry her again and so they helped her. Maruska collected 3 hours. The first hour accumulated a few strawberries, and then second hour about 20 more and the third hour twice. She collected total 160 strawberries. How many strawberries accumulated each hour? Maruska moved 4 km distance and left her home about 8 hours. Helen decided to go for Maruska. She went for Maruska in about two hours later. When will arrive to Maruska, if she goes as quickly as Maruska and Maruska had speed 1 km per hour? But on the way Helen was punished by the months of January and she never came back. So Maruska happily housekeep until she die.

