

Germs are after your food

The kitchen is very friendly to germs. They love to grow in dirty corners and on food. Given that the number of germs in a piece of fresh meat left in the sun doubles every 20 minutes, try to resolve this problem.

Sam took 1 kg of minced meat out of the refrigerator. He left it lying on the kitchen table, in the sun, until he was ready one hour later to prepare the meal. By which time it was midday. When it came out of the refrigerator, the meat had 140 germs.

1. At what time did Sam get the meat out?

.....

2. How many germs were there in the meat at midday?

.....

.....

Sam makes 3 burgers with the meat: one with half the meat, and the 2 others with the other half.

3. How many germs are there in each?

.....

.....

.....

.....

.....