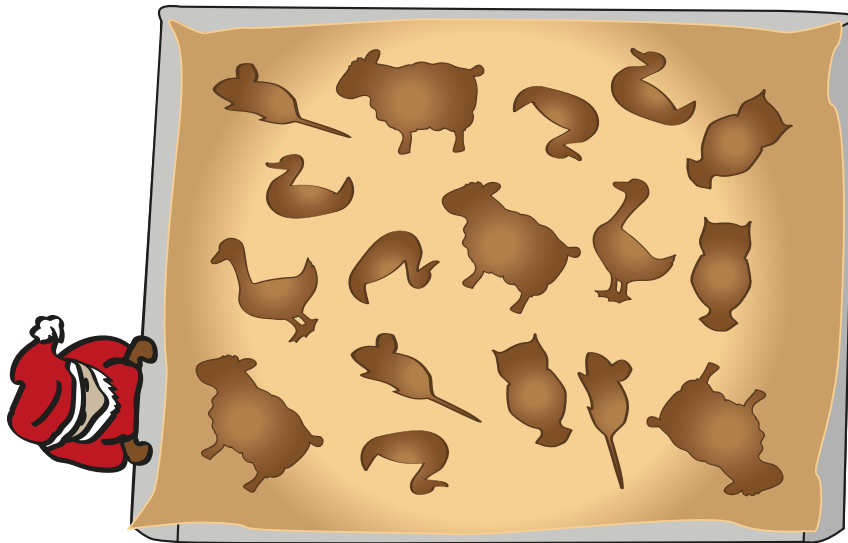


1

Christmas baking

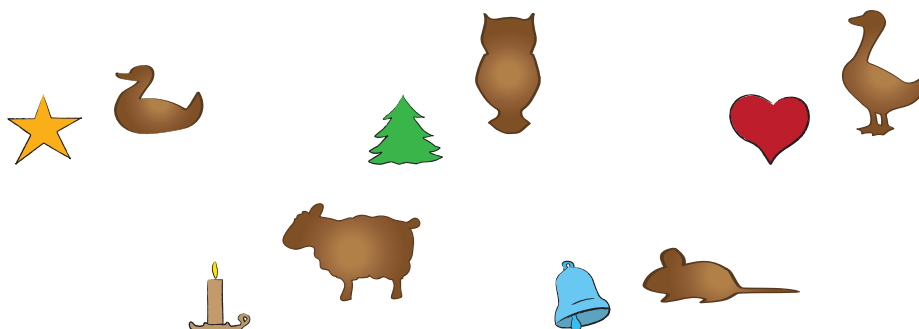


Jan, Nele, Paula and Tim are good friends. The four children are looking forward to the festive season. After school, they want to do crafts, read, go ice skating, play, and bake together.



Today they are at Nele's aunt's house baking cookies. The dough has already been rolled out. Everyone grabs one of the fun animal cookie cutters: duck, owl, goose, sheep or mouse. Nele and Paula have each cut out 3 cookies, Nele's aunt has cut out 2 and Tim has cut out 5.

Which animal cookies has Jan cut out?



2 Dominosteine



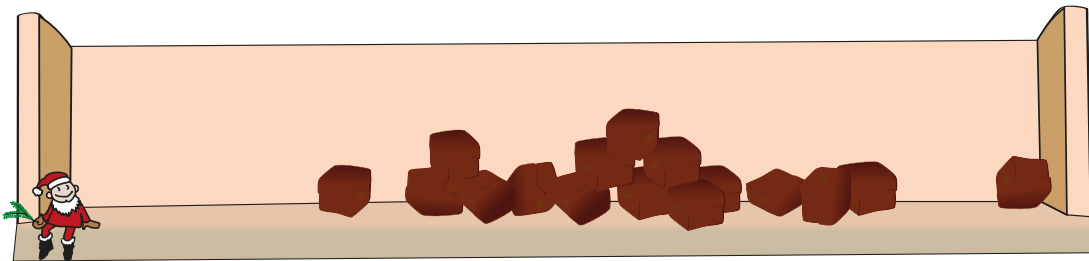
“Look, the pyramid made of Dominosteine has fallen over,” says Nele.

The children look through the window of the bakery. They count 16 Dominosteine.

“The pyramid looked really nice,” recalls Jan.

“Yes,” agrees Paula, “four rows on top of each other, each row two Dominosteine longer than the one above it, one on the left, one on the right.”

“And at the very top was a single Dominostein,” says Tim.



How many Dominosteine were in the bottom row?

-  5
-  6
-  7
-  8
-  9

3 Baked apples



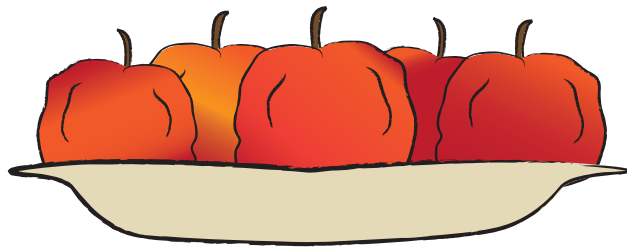
Paula, Jan, Nele and Tim have built a slide in Paula's uncle's yard. The uncle comes into the yard with five baked apples. Whoever slides the furthest gets the first baked apple. The uncle measures with his steps how far each of them slides:

Tim and Jan each slide 4 uncle steps.

Paula slides one step less.

The uncle slides 2 steps.

Nele slides 3 steps further than the uncle.



Who gets the first baked apple?



Paula



Jan



the uncle



Nele

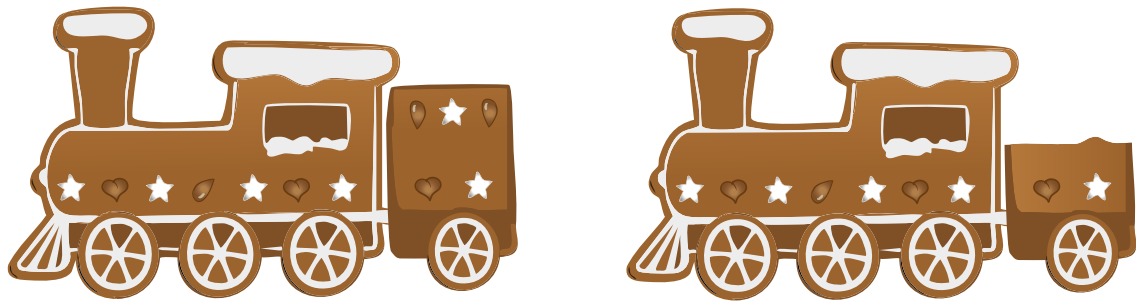


Tim

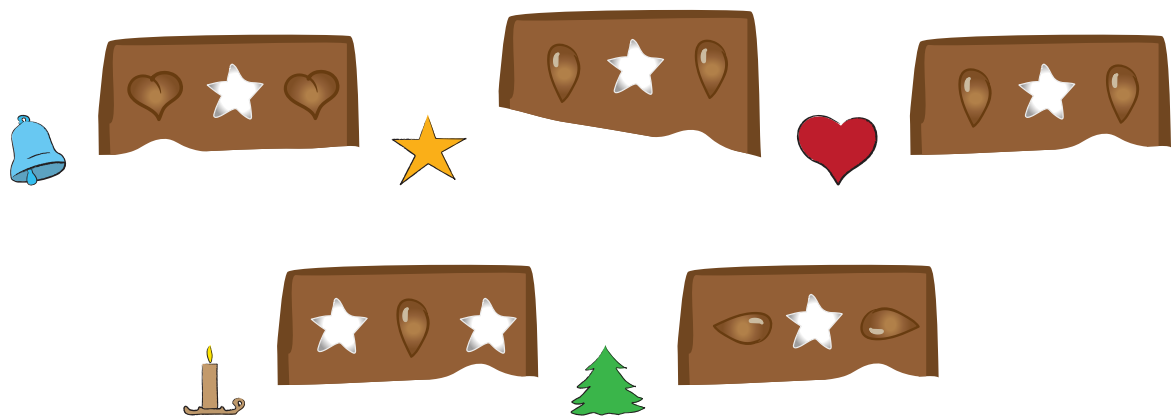
4 Gingerbread train



Tim, Jan, Nele and Paula baked a large gingerbread cake with Jan's grandfather at the weekend. It is almost as big as the baking tray and has the form of a train. The grandmother is the first to taste it. She breaks off a small piece.



What does the piece that the grandmother broke off look like?



5

On the evening before St. Nicholas' Day



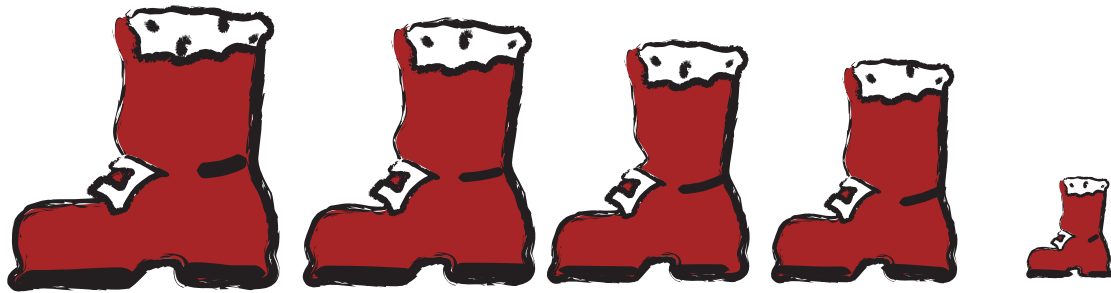
Because today is Friday and tomorrow is St. Nicholas' Day, Jan, Nele and Tim are staying overnight at Paula's house. In the evening, each of the four children cleans a boot. They then place it outside the door. Paula has also placed one of her doll's little boots in the row.

Paula's father asks, "Which boot is whose?"

The children answer with a riddle.

"Paula's boot is smaller than Jan's, but bigger than Tim's."

"Nele's boot is bigger than Paula's doll's boot, but smaller than Tim's."



Who has the biggest boot?



Paula



Jan



Paula's doll



Nele



Tim

6 Chocolate rings



Today is St. Nicholas' Day.

Nele, Jan, Tim and Paula are curious. What might be in their St. Nicholas' boots?

Each child found a small toy, nuts and sweets.

Each child has 5 chocolate rings in their boot. The children place them all on a shared St. Nicholas' plate.



How many chocolate rings are there on the St. Nicholas' plate?

-  13
-  15
-  16
-  19
-  20

7

Cinnamon stars



Paula, Jan, Tim and Nele are meeting up with a few other children today to rehearse for the school's Christmas party. The four friends have brought cinnamon stars for everyone.

Mr Knapp is rehearsing with the children for the party.

"Who brought us all these cinnamon stars?" he asks. The children shout out wildly.

Jan says, "I brought more than 3."

Nele says, "But Jan brought fewer than 5, and I brought one fewer than Jan."

Tim says, "I brought twice as many as Nele."

Paula says, "I brought 2 fewer than Tim."



How many cinnamon stars did the four friends bring in total?

- | | |
|---|----|
|  | 9 |
|  | 11 |
|  | 14 |
|  | 15 |
|  | 17 |

8

Christmas almonds



Tim, Jan, Paula and Nele are at the adventure playground.

When they take a break, Nele pulls a small bag full of fragrant Christmas almonds out of her rucksack.

There are 20 Christmas almonds in total.



“Great,” says Nele happily, “20 pieces! I’ll divide them up and each of us will get the same amount.”

How many will each of them get?



9

Marzipan



Jan found a recipe for marzipan in an old baking book at his grandmother's house. Now Paula, Nele and Tim want to make marzipan themselves together with Jan and his grandmother.

First, they remove the brown peel from the almonds. Then they grind the almonds very finely. Next, they knead the ground almonds with icing sugar and spices. Finally, they add 15 drops of rose water.



Jan first tries it out with water. He wants to put 15 drops of water into a glass. Nele counts the drops: one, two, three, four.

How many drops of water are still needed until there are 15?



10



13



7



11



9

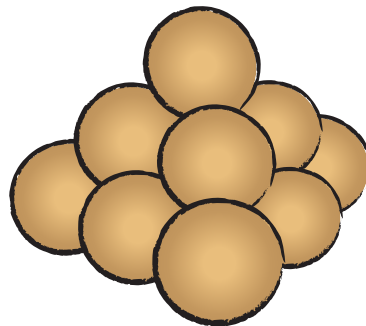
10

Marzipan potatoes



Yesterday, Nele, Paula, Jan and Tim kneaded marzipan. Today, they are shaping it into marzipan potatoes. These are then rolled in cocoa powder. Now they look great.

Nele is building a pyramid out of some of the marzipan potatoes.



For the bottom layer, Nele arranges the marzipan potatoes close together in a triangle. Then she places the second layer on top and finally one marzipan potato as the tip.

How many marzipan potatoes does Nele need to build the pyramid?



7



8



10



12



15

11

Christmas stollen



Paula, Nele, Jan and Tim are going shopping together today to buy some ingredients for baking stollen. They buy:

- 2 bags of flour,
- 1 bag of sugar,
- 5 packs of butter,
- 1 bottle of milk,
- 1 packet of icing sugar,
- 2 bags of raisins,
- 1 bag of almonds and
- 3 packets of candied lemon peel.



After Paula has paid, the four friends divide up the shopping. Everyone gets the same number of items in their rucksack.

How many items does each of them have to carry?



2



3



4



5



6

12

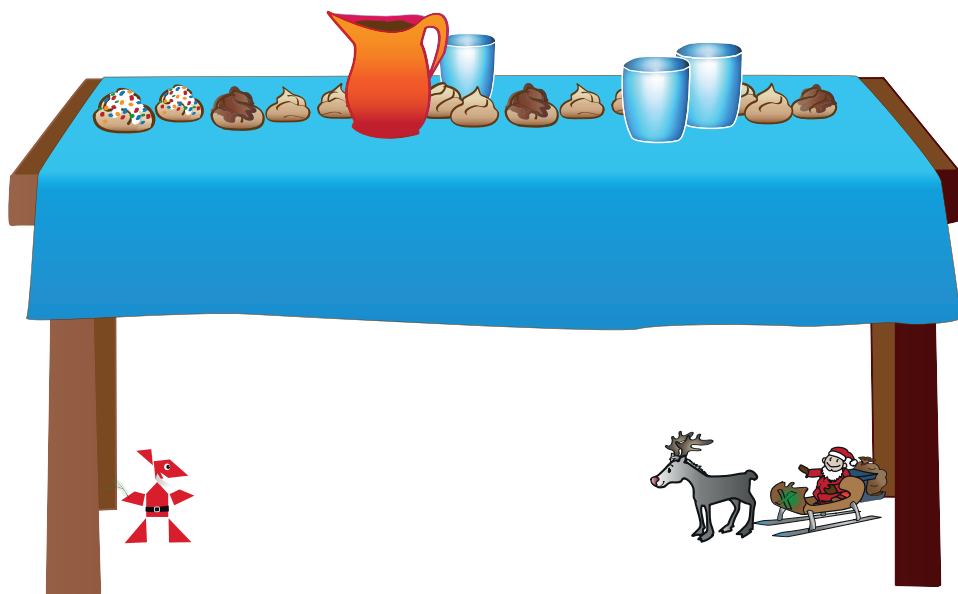
Coconut macaroons



Tim, Nele, Jan and Paula have baked coconut macaroons. Now the macaroons are lying in a row on the kitchen table to cool down, 15 macaroons in total.

Tim coats every third macaroon in the row with chocolate.

Paula puts a blob of sugar icing on the remaining macaroons and Nele sprinkles colourful sprinkles on top of it. Jan counts how many coconut macaroons of each type there are.



How many of the 15 coconut macaroons have sugar icing and sprinkles at the end?



13 Honey cake



This morning, Jan invited his friends over to bake. Paula wasn't there. They want to bake something as a surprise because it's Paula's birthday today

Jan, Tim and Nele baked honey cake and cut it into hexagons. Tim writes letters on top with icing. And then they arrange the honey cakes into a diamond shape. Paula's nickname, PAULI, can now be read on it, starting from the top and going down to the bottom.



How many different ways are there to read PAULI?



5



6



7



8



9

14 Speculoos



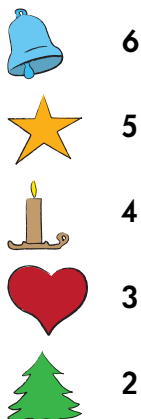
Nele, Paula, Tim, Jan and the twins Leo and Lena are going to the cinema together today.

Nele loves watching fairy tales. Today they are showing 'Snow White'. Everyone knows the film already, but they all like it.

Tim has brought speculoos biscuits for everyone. There are 18 pieces in the packet. Each child gets the same number.



How many speculoos biscuits does each of the 6 children get?



15

Gingerbread house



Paula's big sister Lucy baked gingerbread this year and built a gingerbread house out of it.

"But it still needs to be decorated," says Nele.

Tim paints a picture. "Look, Lucy, this is how it should look," he says.

"And we'll see if Lucy decorated her gingerbread house exactly as Tim drew it," suggests Jan.



How many differences are there between the drawing and the gingerbread house decorated by Lucy?



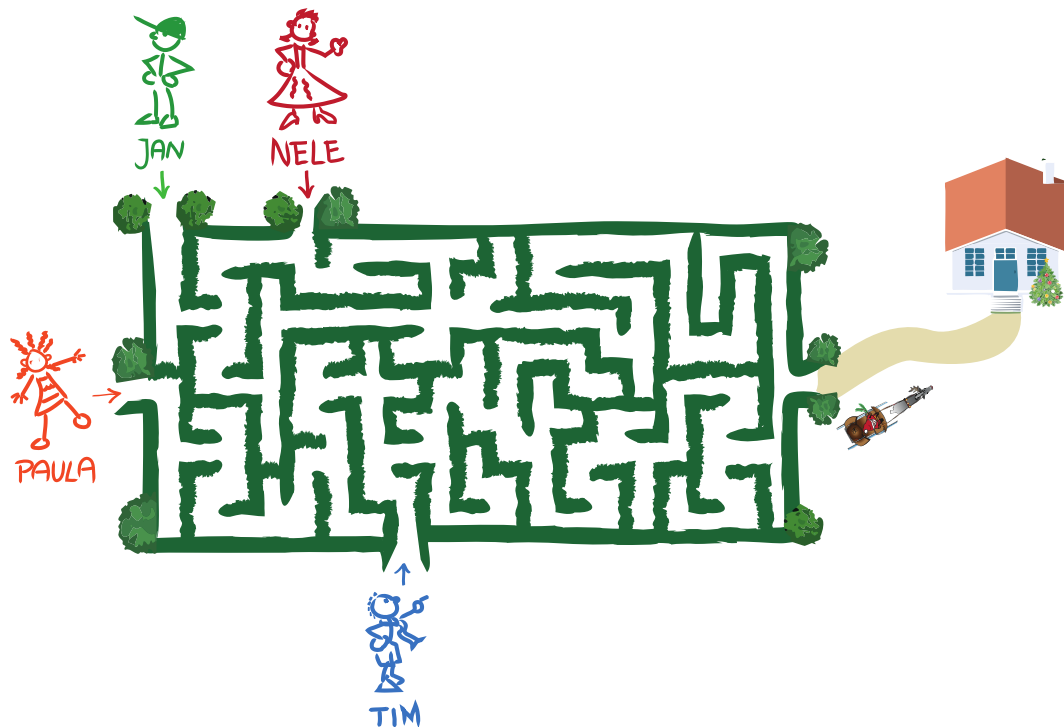
16

Chocolate heart



Tim, Nele, Paul and Jan have arranged to visit Jan's grandparents. Each child has decorated a chocolate heart with icing and sprinkles. These are for the grandparents.

The grandparents live on the edge of the city park. Part of the park has been turned into a hedge maze. Each child starts the maze at a different entrance.



Who can find their way out of the maze and onto the wide path leading to the grandparents' house?



only Paula



only Jan



only Nele



Jan and Nele



Tim and Paula

17

Black and white biscuits



“Do you know how to make black and white biscuits?” asks Jan. Tim, Nele and Paula shake their heads. Tim suggests asking his grandmother to show them how.

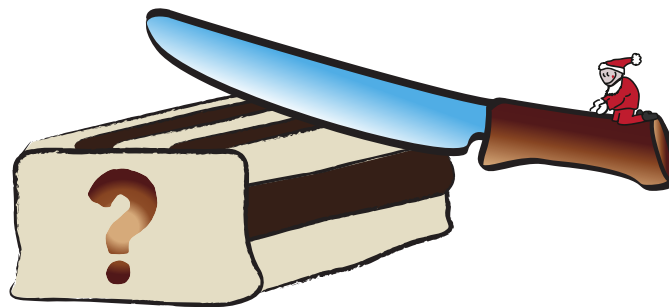
His grandmother has prepared the dough. She kneads cocoa into half of the dough. Now she shapes lots of light and dark sticks.

For the first layer, she places a light stick, then a dark stick, then another light stick, a dark stick and another light stick close together.

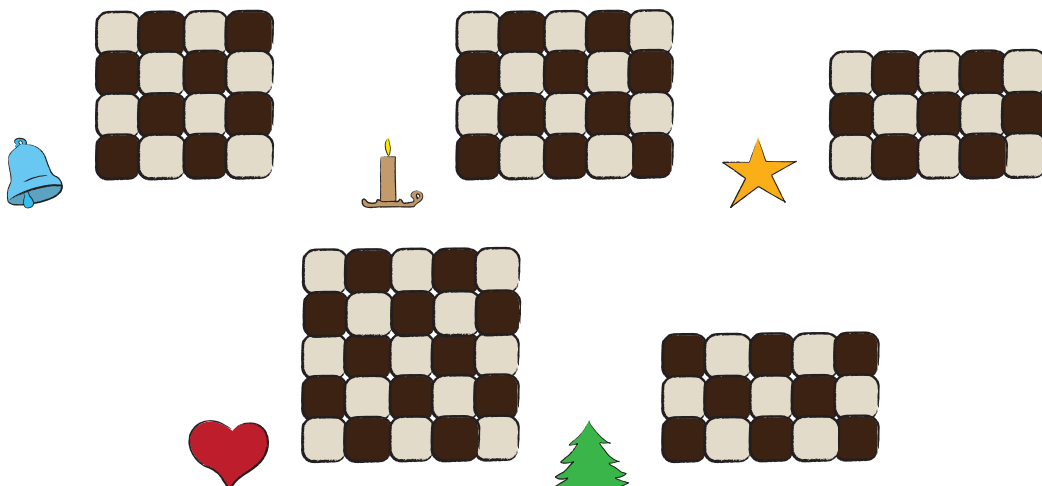
She places a second layer on top of this layer: she now places a light stick on top of each dark stick and a dark stick on top of each light stick.

The third layer looks exactly like the first layer.

Now the grandmother cuts off biscuits with a thin knife and places them on the baking tray.

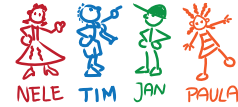


What do these biscuits look like?



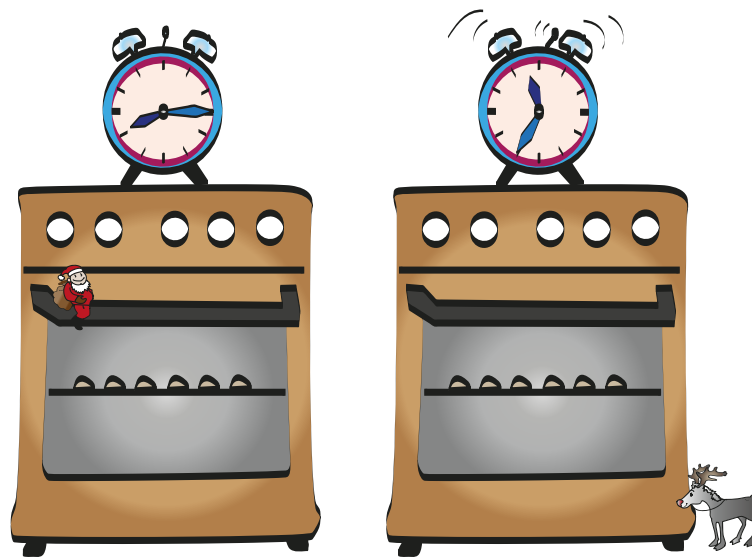
18

Vanilla crescent cookies



Nele's aunt Lydia bakes the most delicious vanilla crescent cookies. Every year she bakes lots of them. She then sends packets of vanilla crescent cookies to her friends as Christmas greetings.

Nele, Tim, Jan and Paula help her. They prepared the dough early in the morning. At 8:15 a.m., the first tray is put in the oven. And then one tray follows another. It is already 11:35 a.m. when the last tray is taken out of the oven.



"It's almost lunchtime," says Paula.

How long did the baking take?



more than 1 hour, but less than 2 hours



more than 2 hours, but less than 3 hours



more than 3 hours, but less than 4 hours



more than 4 hours, but less than 5 hours



more than 5 hours, but less than 6 hours

19 Spitzbuben cookies

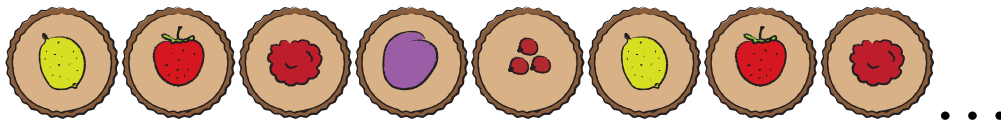


Who knows what Spitzbuben are?

Paula explains, "First, roll out the dough, then cut out circles and rings. Spread jam on each circular part and place a ring part on top."

"Then the jam looks like an eye," say Tim, Jan and Nele, amused.

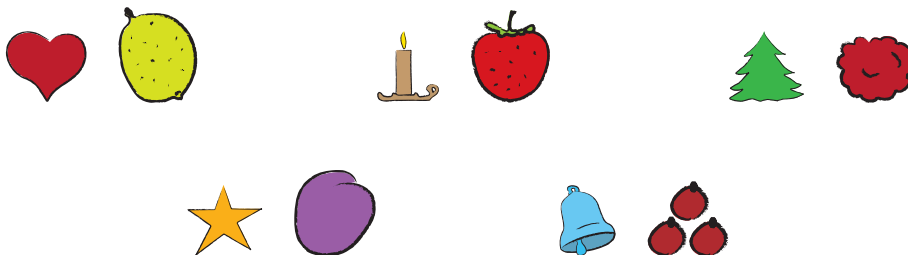
They lay the cookies out in a long row.



They use gooseberry jam for the 1st cookie, strawberry jam for the 2nd cookie, raspberry jam for the 3rd cookie, plum jam for the 4th cookie and currant jam for the 5th cookie.

After that, they continue with gooseberry jam again, then strawberry jam, raspberry jam and so on.

Which jam is on the 13th cookie?



20

Hazelnut stars

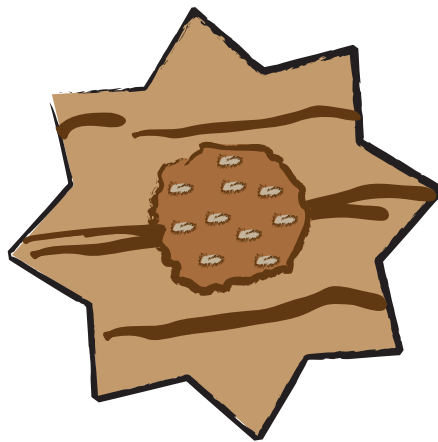


Today, hazelnuts are being cracked. Tim's aunt wants to bake hazelnut stars. The nuts are for the hazelnut cream on top of the hazelnut stars.

Tim cracks 4 nuts.

Paula and Jan each crack 3 nuts.

Nele cracks as many nuts as Paula and Jan cracked together.

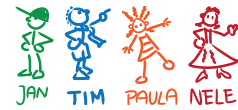


How many nuts do the 4 friends crack in total?

-  11
-  12
-  15
-  16
-  18

21

Almond gingerbread

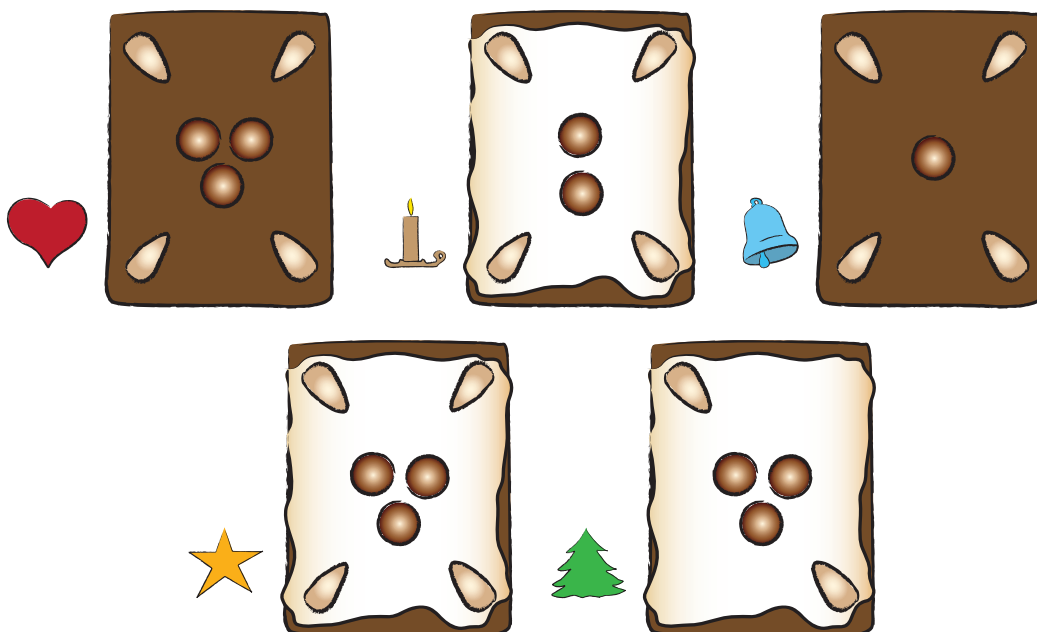


Jan has decorated gingerbread cookies and is showing them to his friends.

"I like the ones with icing best," says Tim. Paula and Nele agree.

"I like the white gingerbread cookie with 4 almonds in the corners and 3 hazelnuts in the middle best," says Nele.

Which gingerbread cookie does Nele like best?



22

Alphabet cookies



Nele, Tim, Paula and Jan are meeting up today to go ice skating.

Jan has brought a large bag of Alphabet cookies for a little break. First, they eat all the letter cookies. After that, only the number cookies are left. But not all of the numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 can be found.



Which numbers are missing?



3 and 5



4 and 8



2 and 0



6 and 9



7 and 1

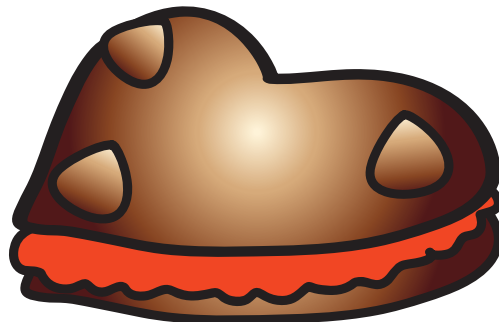
23 Apricot hearts



"The apricot hearts will taste great," says Paula.

"Don't eat them yet!" calls Tim, "They're not ready yet."

Tim puts chocolate coating on the hearts and Nele and Jan decorate each heart with 3 hazelnuts.



They still have 10 hazelnuts and lots of chocolate coating.

How many more apricot hearts can they decorate completely?

	8
	7
	5
	3
	2

24 Christmas Eve



Now it's finally Christmas Eve. A few days ago, Tim, Paula, Nele and Jan started their holidays.

Every day since the 1st of December, the 4 friends have had a little task to master. They worked together to solve the puzzles and then entered their answers in the answer grid.

They notice a special pattern.

The pattern begins with     .

Then the 5 pictures repeat in the same order.

And after the $5 + 5 = 10$ pictures,  and  and  follow.

This is followed by the 5 and 5 small pictures from the beginning, but now in reverse order.

In the middle of the total of 23 small pictures is . And then the sequence to the left is the same as to the right - from the centre to the respective ends.

The middle part of the solution looks like this:



**Who has the correct solution, like Tim, Paula,
Nele and Jan?**