

1

Es ist für uns eine Zeit angekommen



Jan, Nele, Paula and Tim are good friends. They learn and play together, especially in the run-up to Christmas. This year they also want to sing a lot.

Tim's grandfather plays the guitar and is looking forward to singing together with the 4 friends. He has written down 9 Christmas songs for them. Tim and Jan should mark which ones they know.

"Jan is already finished", says Paula, "he has marked 5 songs."

"Tim has even marked 7", adds Nele.

"And each song is known by at least one of them", says the grandfather.

Leise rieselt der Schnee
Schneeflöckchen, Weißbröckchen
Morgen kommt der Weihnachtsmann
Stille Nacht, heilige Nacht
Lasst uns froh und munter sein

Sind die Lichter angezündet
So viel Heimlichkeit
Jingle Bells
Fröhliche Weihnacht überall



How many songs do both Tim and Jan know?



2



Schneemann, Schneemann, wie siehst du aus

A few snowflakes fell today.

Nele, Jan, Paula and Tim immediately built a snowman.

He has a blue bobble hat, a red striped scarf, 2 black buttons on his tummy and a broom with a red handle.

Which picture shows the snowman that the 4 friends have built?



3 Und zünden wir Lichter an



Today is the 1st Sunday in Advent. Paula, Jan, Nele and Tim decorate the Advent wreath with cones, wooden stars, little mushrooms and many other things.

Nele has brought 2 small cones.

Jan has 2 wooden stars and another cone.

Paula has brought a bauble and a bell.

Tim has brought 2 black boots.

Paula's mum gives them 2 mushrooms and 2 golden Christmas baubles.



How many things have they used to decorate the Advent wreath?



9



10



11



12



13

4 Weihnachten steht vor der Tür



In November, the 4 friends had an idea. They made an Advent calendar for the children in their sponsor class, 1a.



Tim and Jan have painted. Nele and Paula came up with a maths problem for each day using the day's date.

Paula first found a problem for 13 December, because that is her birthday.

Which of the 5 problems has the result 13?

★ $9-3+1$ 🔔 $7+3+3$ ❤️ $8+6+2$

🌲 $5+5-4$ 🕯️ $1+2+4+8$

5

Morgen Kinder wird's was geben



Christmas Eve is still many days away. The 4 friends are curious about what they will get as presents. Each child names 3 wishes.

Jan: a book, a flute and a unicycle

Nele: a unicycle, a card game and a badminton game

Tim: a card game, a flute and a pair of stilts



And what about Paula's 3 wishes? She realises:

She has one wish in common with Jan, but not with Nele and not with Tim.

She has one wish in common with Nele, but not with Tim and not with Jan.

She has one wish in common with Tim, but not with Jan and not with Nele.

Which 3 wishes has Paula named?



a flute, a card game and a unicycle



a card game, a badminton game and a unicycle



a book, a badminton game and a pair of stilts



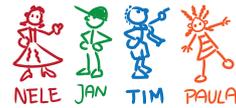
a flute, a pair of stilts and a book



a book, a card game and a flute

6

Lasst uns froh und munter sein



It's St Nicholas' Day. Nele, Jan and Tim pick Paula up for school.

There are 6 boots outside the door, one for each member of Paula's family.

Paula wants to quickly order the boots by size. She swaps 2 boots at a time until all 6 are sorted.

In the end, the smallest boot is on the left and the largest on the right.



What was the least number of times Paula had to swap?



2 times



3 times



4 times



5 times



6 times

7

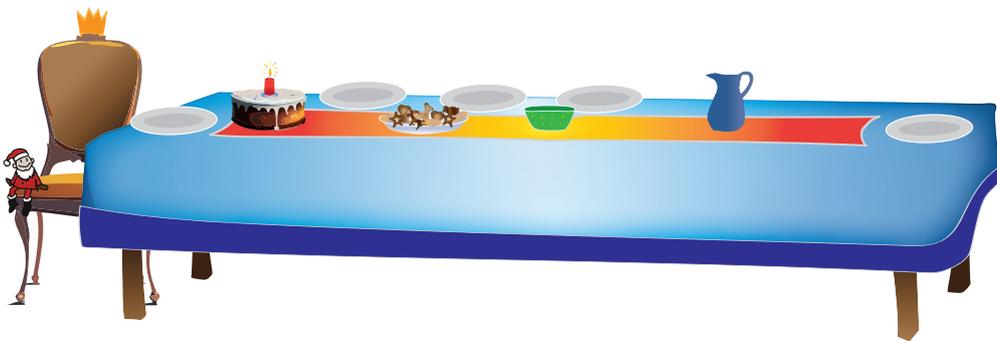
Leise rieselt der Schnee



Today, Paula, Jan and Tim are invited to a fairy tale session at Nele's mum's house. Before reading aloud, Nele asks the others a fairy tale riddle:

The fairies of the land are also invited to the royal castle for Sleeping Beauty's first birthday. The queen, Sleeping Beauty's mother, believes that there are 12 fairies. She sets the long table for the fairies. She places one plate on each of the short sides.

How many plates must she then place on the long sides?



3 on each



4 on each



5 on each



6 on each



7 on each

8

In der Weihnachtsbäckerei



Tim, Jan, Paula and Nele don't just want to take part in the choir at the Christmas party. They are also involved in the cake bazaar.

They have baked macaroons, vanilla crescents and speculoos with Jan's big sister. The biscuits lie spread out on the table. Jan counts them all.



What is wrong?



There are 4 more vanilla crescents than macaroons.



There are 14 macaroons and speculoos together.



There are 2 fewer macaroons than speculoos.



There are fewer speculoos than vanilla crescents.



There are twice as many vanilla crescents as macaroons.

9 ○ Tannenbaum



Jan, Paula, Nele and Tim have made stars out of coloured paper. They are to be hung on the Christmas tree at school today.

Nele made 4 stars.

That is 3 stars less than Paula made.

Tim has made twice as many stars as Nele.

Jan made 3 stars more than Nele.



Which two children have made the same number of stars?



Jan and Tim



Paula and Nele



Nele and Jan



Tim and Paula



Paula and Jan

10

Sind die Lichter angezündet

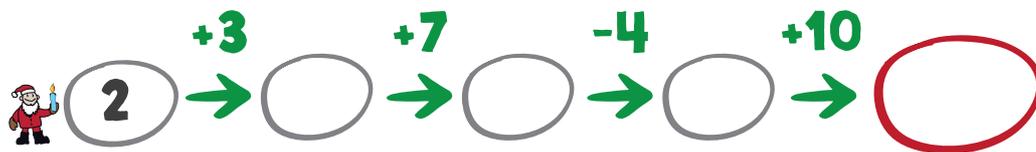


“On Christmas Eve, my grandparents have real candles on their Christmas tree”, says Nele. She is in the supermarket with Paula, Jan and Tim. They are buying the candles for the grandparents.

“How many candles should you buy?”, asks Tim.

Nele smiles and says: “You know my grandfather. He wrote me a riddle about it.”

“Show it to us, we’ll crack it together”, the friends say happily.



How many candles should Nele buy?

-  15
-  16
-  17
-  18
-  19

11

Alle Jahre wieder



“Today we really have to learn the new song”, says Paula to her friends Nele, Jan and Tim.

Tomorrow is rehearsal for the Christmas party at school. As every year, the choir will sing at the beginning and at the end.

In between, Jola, Billy and Ivo from class 4b will perform:

Jola plays the violin, Billy plays the cello and Ivo plays the flute.



Tomorrow it will be decided who will play first, who second and who third.

How many different orders are possible?



12

So viel Heimlichkeit

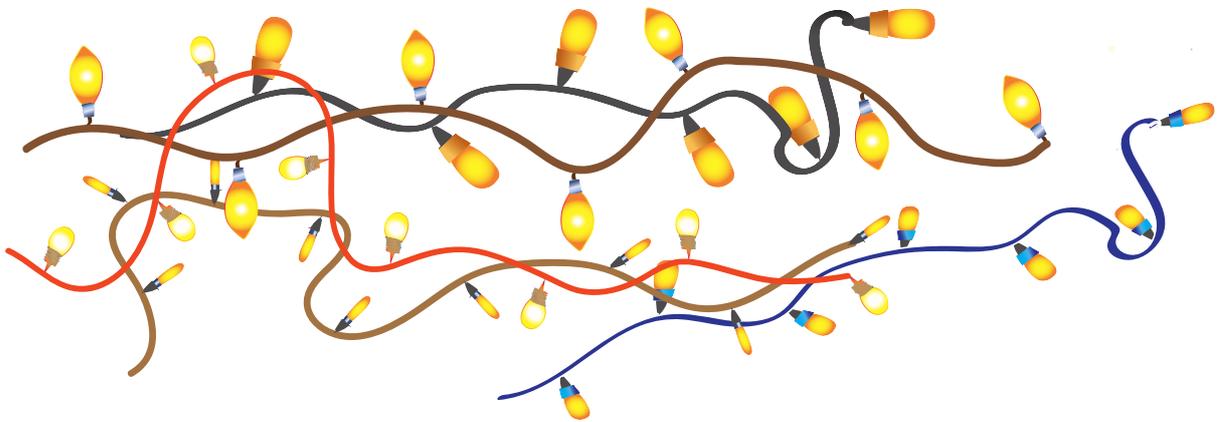


Tim has noticed how his mum has hidden something at lightning speed, and not just once.

In her haste, she got the light chains all mixed up.

“Will you please find the light chain with the fewest lights?”, she calls out to Tim.

“We can do that very quickly, sorting is fun”, say Nele, Jan and Paula.



How many lights does this light chain have?



13

Fröhliche Weihnacht überall



Jan cheerfully rings Paula's doorbell first thing in the morning to wish her a happy birthday.

Tim, Nele and other guests arrive in the afternoon. There is a large plate on the table with 4 pieces of chocolate cake, 5 pieces of cheesecake and 3 pieces of parrot cake.



Paula cuts 2 pieces of each type in half.

Then, how many pieces of cake are there in total?

 16

 17

 18

 19

 20

14

Bald nun ist Weihnachtszeit



“Now it’s raining really hard”, says Nele after looking out of the window.

“And we wanted to go to the Christmas market”, says Paula.

“That’s why my dad is reading us fairy tales”, says Tim happily.

“Is there a riddle again?”, asks Jan.

“Of course”, says the father, “and you have to guess the fairy tale too.”

Marie takes the crispy baked loaves out of the oven. She places 6 breads neatly next to each other at the bottom. Then she stacks 5 breads on top, then 4, then 3, then 2 and the last bread on top.

How many loaves has Marie stacked?



13



15



16



19



21

15

Kling, Glöckchen, klingelingeling



There are even little bells on the Christmas tree at school this year.

“Have you noticed? The little bells are even ringing”, says Paula happily.

Nele, Tim and Jan walk around the tree to count them.

“There are really many”, Nele realises. “I counted 6 at the top.”

“In the centre there are only 5 bells”, says Tim.

“And at the bottom there are even 3 bells more than at the top”, says Jan.



How many bells did the children count?



20



19



18



17



16

16

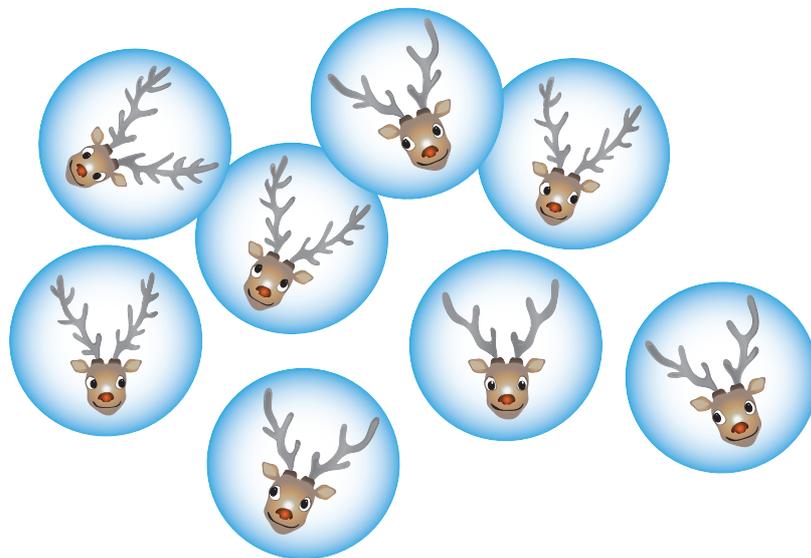
Rudolph, the red-nosed reindeer



Tim wanted lots of reindeer stickers for his sticker album in the run-up to Christmas.

“Look, some are there twice”, he says happily. “I just have to sort them”, he tells Nele, Paula and Jan.

“You even have one sticker three times”, discovers Paula.



Which sticker is there three times?



17

Guten Abend, schön Abend



Today, on the 3rd Sunday in Advent, Jan, Tim and Nele meet up at Paula's house to play.

Paula's mum lights 3 candles on the Advent wreath.



Only one of the 5 pictures is correct. Something is mixed up in the others.
Which picture shows the Advent wreath correctly?



18 Oh, es riecht gut

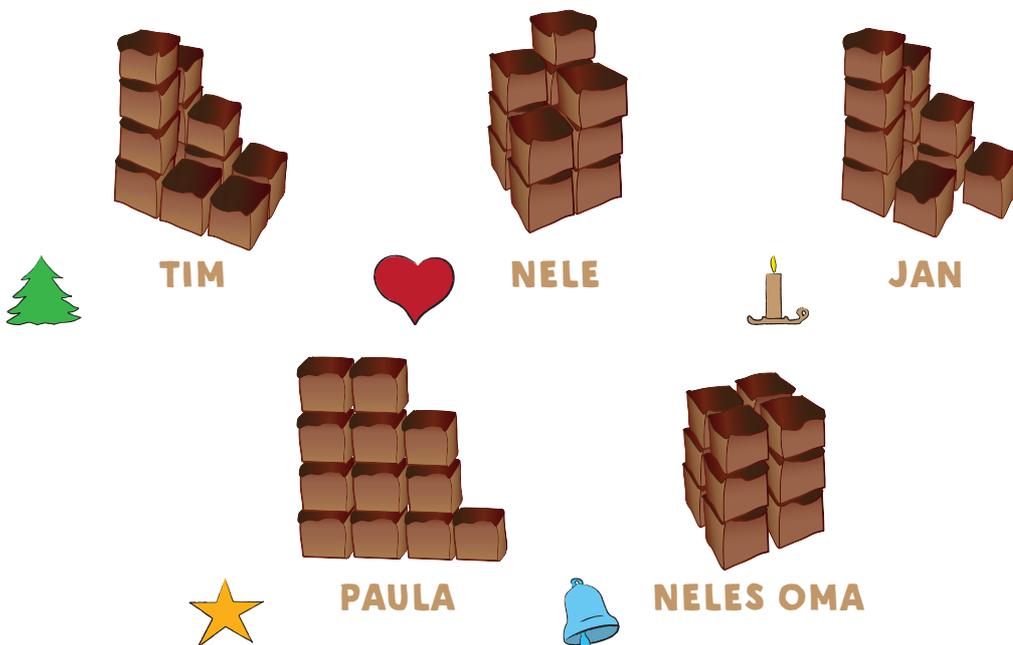


Nele's grandmother baked lots of domino dice with Nele, Tim, Jan and Paula and covered them in chocolate at the end.

When the chocolate has dried, she counts out 12 domino dice for everyone.

All 5 of them, the children and the grandmother, arrange the domino dice neatly.

Who has already eaten from their domino dice?



19

Schneeflöckchen, Weißbröckchen



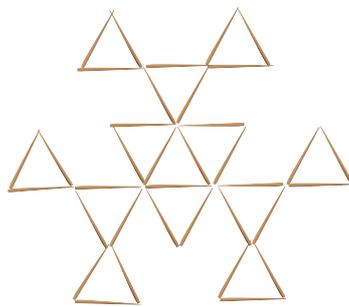
Paula looks at the snowflakes as if enchanted.

“They are so tender”, she says, “I can’t get them painted.”

Tim has taken toothpicks and is trying to make a snowflake.

“Lots of triangles”, Jan realises.

“I’ll count how many there are”, says Nele.



How many triangles are there?



8



10



12



14



16

20

Schneemann baun und Schneeballschlacht



It has also snowed a little today. Tim, Paula, Jan and Nele walk to the edge of the forest. They draw 3 circles in the snow with a stick. Everyone looks for 3 pine cones. Then a target throw starts.

Whoever hits the big circle gets 1 point, for the middle circle 2 points and for the small circle 3 points.

Whoever hit a part that belongs to 2 or 3 circles, add up the points of the individual circles.

Jan hit the small circle first (3 points),

then in the part that belongs to the large and to the medium circle ($1+2 = 3$ points),
and finally in the large circle (1 point).

For the 3 throws he gets $3 + 3 + 1 = 7$ points.



What is the largest number of points that can be gained in three throws?



9



12



14



17



18

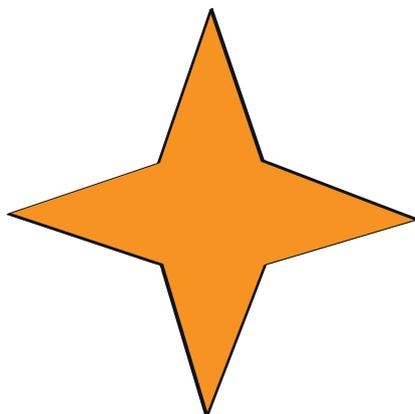
21

Sterne über stillen Straßen

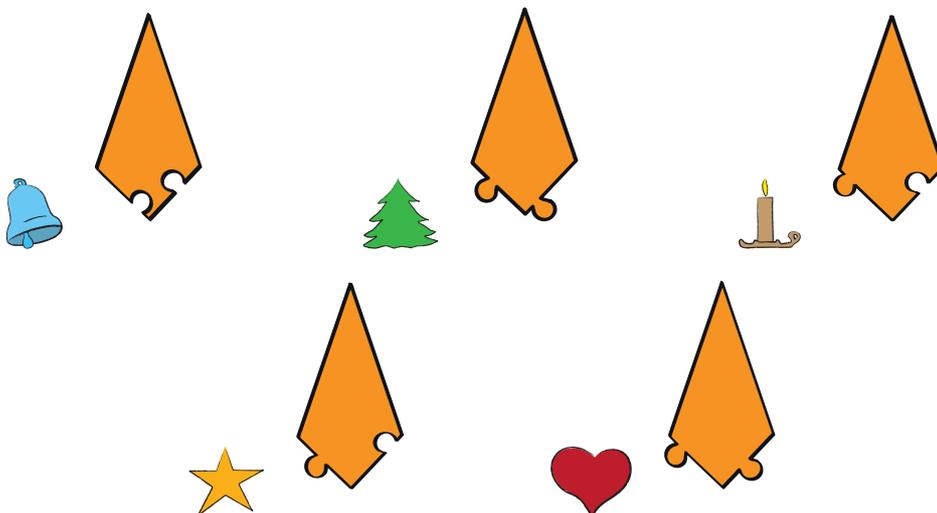


For the Christmas season, Mr Knobel has given the class a puzzle to do. The star is to be put together from 4 pieces. But he has drawn 5 pieces for them, one piece too many.

Jan, Tim, Paula and Nele do the puzzle together.

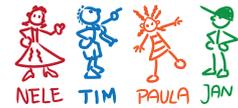


Which piece does not belong to the star?



22

Süßer die Glocken nie klingen



Nele, Tim, Paula and Jan are walking home through the festive high street. They notice the small window by the hat shop.

“The bells almost look like hats”, Nele thinks.

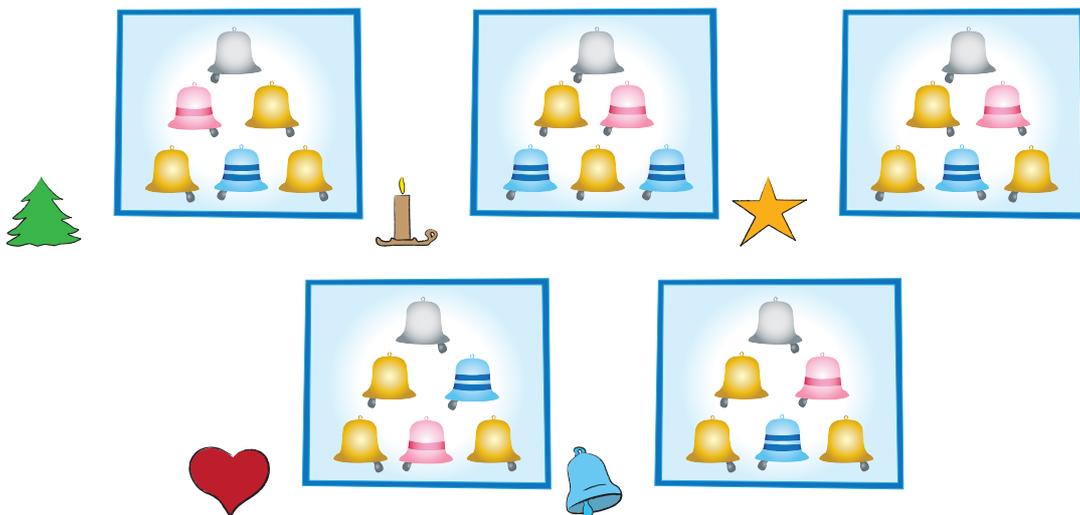
“But they are definitely bells, look, there are clappers on them”, Tim says immediately.

“What does the window look like from the inside?”, ponders Paula.

“Just swapped everything around?”, wonders Jan.



What does the window of the hat shop look like from the inside?



23 Es schneit, es schneit



“Such a beautiful sunny day”, exclaims Paula. Right after breakfast, Paula, Tim, Nele and Jan meet at the park and start a race to the playground.

Paula leads at first.

Then Tim and Jan pass her.

But Paula sprints again and leaves Jan behind.

Finally, Nele overtakes her friend Jan with her last ounce of strength.



In which order do the 4 friends reach the playground?



Paula, Tim, Jan, Nele



Tim, Jan, Nele, Paula



Nele, Jan, Paula, Tim



Tim, Paula, Nele, Jan



Paula, Nele, Tim, Jan

24 Stille Nacht, heilige Nacht



Now the time has come, it's Christmas Eve. A few days ago, the holidays began for Tim, Paula, Nele and Jan.

Every day since 1st December, the four friends have had a small task to solve. They worked together and then entered their results in the solution grid.

They notice a special order.

The pattern starts with     . The last of the 5 images is  .

Then the first 4 small images appear again, but in reverse order     , again followed by  .

And this pattern is repeated until 23rd picture, where it breaks off after the candle image  .

The completed solution chain starts like this:



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