

1

Es ist für uns eine Zeit angekommen

Jonas, Natalie and Tom want to sing a lot together during the Christmas season. Of course, they also want to learn new Christmas songs. In a song book, they find a list of Christmas carols. They think about which ones they know.



Jonas says: "I know 10 of these songs."

Natalie is astonished: "Well, I only know 7 of them."

Tom says: "And there are 8 songs that I know."

They realize that each of the songs is known by at least one of them. And there is no song that exactly two of them know.

How many of the songs do all three of them know?

(E) 6

(J) 5

(K) 4

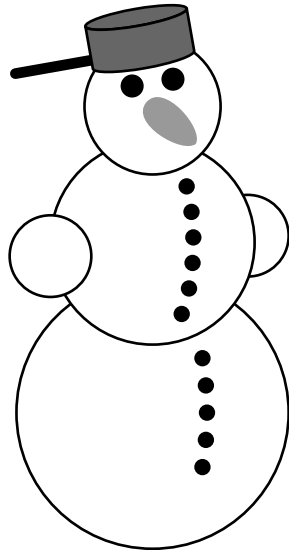
(Y) 3

(R) 2

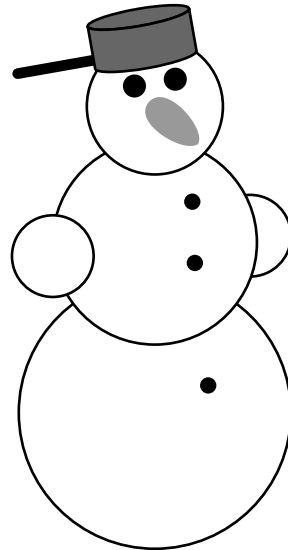
2

Schneemann, Schneemann, wie siehst du aus

Lara and Amelie are building snowmen in the garden. They have collected small stones for the buttons.



Amelie's snowman



Lara's snowman

“Will you give me some of your stones so that our snowmen have the same number of buttons?”, asks Lara.

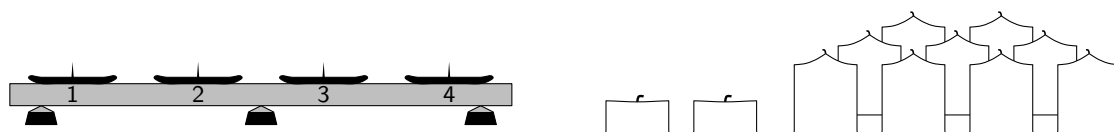
“Of course, no problem”, says Amelie.

How many stones does Amelie have to give to her?

- (E) 3
- (Ö) 4
- (G) 5
- (F) 6
- (Z) 7

3 Und zünden wir Lichter an

During the Advent season, Ronja's family has an Advent candleholder with 4 candles on the table. On the 1st Sunday in Advent only the 1st candle is lit, on the 2nd Sunday in Advent the 1st and the 2nd candle are lit, on the 3rd Sunday in Advent the 1st, the 2nd and the 3rd candle are lit and on the 4th Sunday in Advent all 4 candles are lit. If a candle has burned out, it is replaced by a new candle on the next Sunday in Advent before the candles are lit.



Ronja's father is astonished: "There are whole candles in the cupboard, but also 2 half ones."

"They are from last year", Ronja remembers. "The candles were only lit on the Sundays in Advent, and each time they were lit, their length burned down exactly half. In the end there were 2 half candles left."

Ronja's father thinks about it: "Let's say we only let the candles burn on the Sundays in Advent, like last year, and each time exactly half of their length. Maybe we can use whole and half candles right from the start, so that there are no half candles left at the end."

How must they place half and whole candles on the candleholder at the beginning?

- (A)
- (S)
- (D)
- (R)
- (I)

4

Weihnachten steht vor der Tür

The Christmas tree is being put up at school today. This year it is especially big. Several chains of lights are needed.

The caretaker has brought 4 chains of lights from the attic. Each one has a different number of lights: 12, 15, 18 and 20. Before he puts them up, he tests them to see if they still work. It turns out that only 3 of the chains of lights still work.

“Well, 3 chains of lights are enough”, the caretaker mumbles to himself.

The children help to decorate the tree with the 3 working chains of lights.

How many shining lights could there be in total?

(I) 43

(E) 47

(N) 49

(O) 51

(K) 55

5

Morgen Kinder wird's was geben

Henry, Frieda, Mert and Ariane have written wish lists. Each wish list contains exactly four wishes.

building blocks
a book
a railway
a card game

Henry

a card game
crayons
a basketball hoop
a book

Frieda

roller skates
building blocks
a card game
crayons

Mert

Ariane compares her wish list with the others. In doing so, she notices:

- One of her wishes is also on Henry's list, but not on Frieda's and not on Mert's.
- One of her wishes is also on Frieda's list and on Mert's, but not on Henry's.
- One of her wishes is also on Mert's list, but not on Henry's and not on Frieda's.
- One of her wishes is also on Henry's list and on Frieda's, but not on Mert's.

Which wishes are on Ariane's wish list?

- (M) a railway, crayons, roller skates, building blocks
- (F) a book, building blocks, crayons, a card game
- (U) a railway, crayons, roller skates, a book
- (W) a railway, building blocks, roller skates, a book
- (A) a book, crayons, roller skates, a card game

6

Lasst uns froh und munter sein

Full of anticipation for St Nicholas' Day, Lisa, Jule, Till and little Nico cleaned their shoes together yesterday.

Lisa was quick and only needed 4 minutes. Jule needed 8 minutes and Till 5 minutes. Nico was the last to finish after 15 minutes.

Today they tell their grandpa on the phone what they found in their shoes. They also talk about the cleaning of their shoes together.

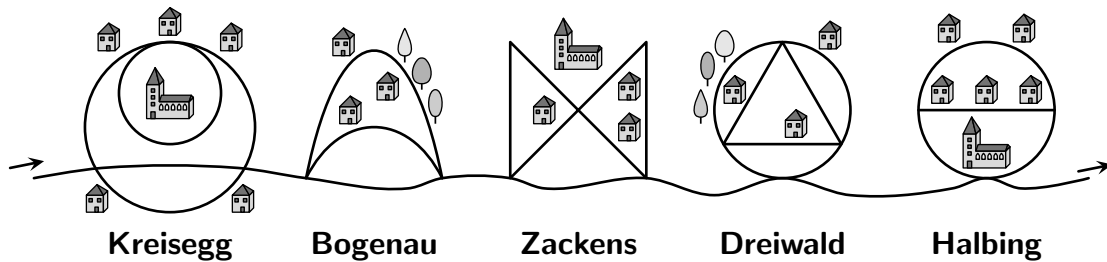
However, one of them has made a mistake. Who is it?

- (H) Lisa says: "I only took half as long as Jule."
- (Z) Jule says: "Till was almost as fast as Lisa."
- (Ö) Till says: "Nico took more than three times as long as Lisa."
- (G) The mum says: "Nico took almost twice as long as Jule."
- (R) Nico says: "And Till was slower than Jule."

7

Leise rieselt der Schnee

An elongated mountain village consists of 5 parts. After it snowed heavily during the night, Mr Huber clears the single-lane roads with his snow plough.



First he drives through Kreisegg and then through the other parts one after the other. If possible, he only wants to drive along each road section once. In four parts this is possible. In one part, however, Mr Huber has to drive at least one road section twice.

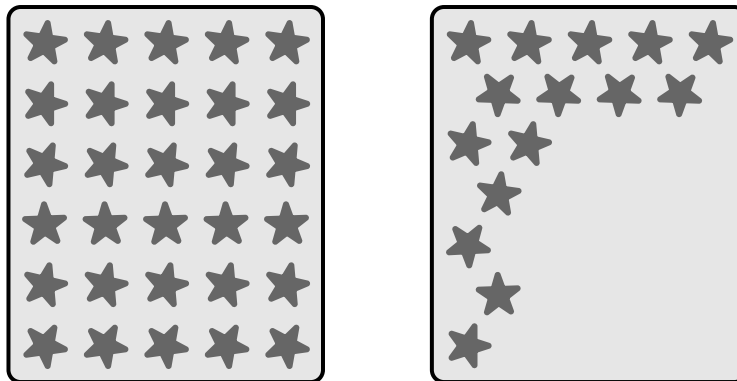
Which part is that?

- (A) Kreisegg
- (X) Bogenau
- (N) Zackens
- (Ü) Dreiwald
- (T) Halbing

8

In der Weihnachtsbäckerei

“What smells so good in here?” , exclaims Leonie’s mum when she comes home from work. Leonie and her father are baking biscuits in the kitchen. They have just cut out cinnamon stars. The first tray is about to go into the oven. Leonie arranges the cinnamon stars a little differently on the second tray.



“Look” , calls Leonie, “If I stagger the rows, one more row will fit on the tray.”

“But now there aren’t the same number in each row” , her father realises and wants to know if more cinnamon stars will fit on the tray.

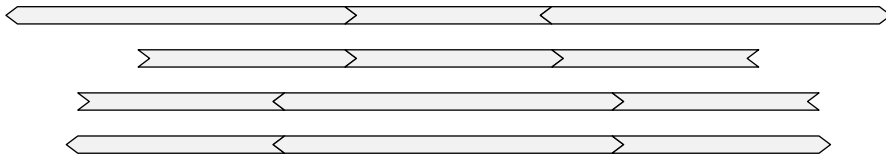
“Yes, definitely” , says Leonie and thinks about it. “There are indeed more” , she proclaims, “but not as many as I would have thought.”

How many more cinnamon stars are on the second tray than on the first?

- (I) 1
- (S) 2
- (H) 3
- (Ä) 4
- (B) 5

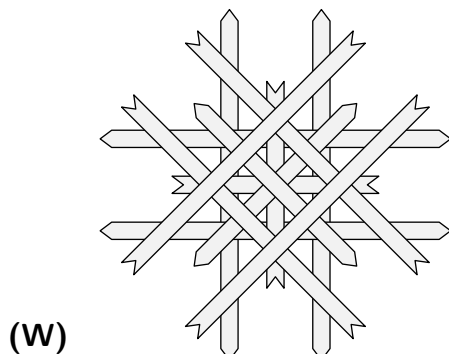
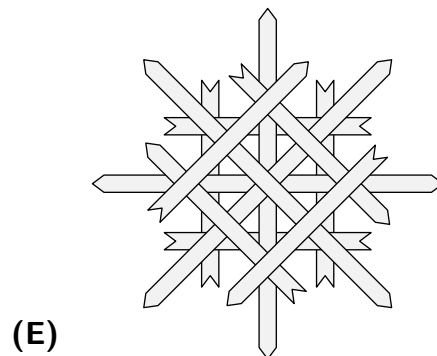
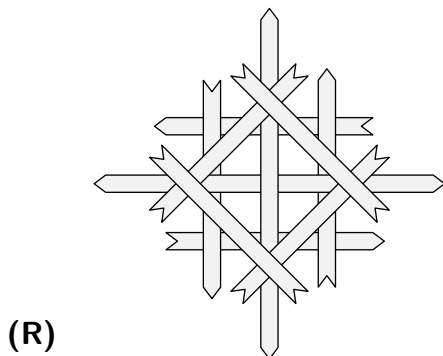
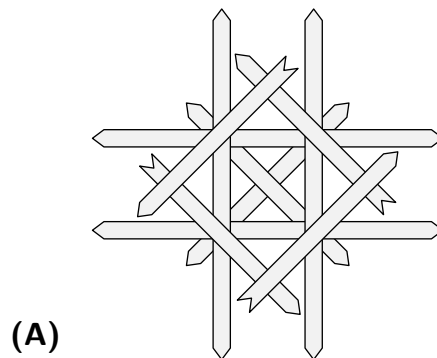
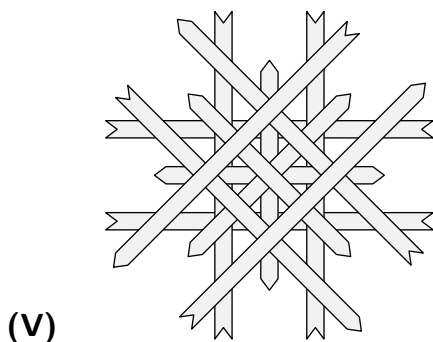
9 0 Tannenbaum

Maksym crafts straw stars for the Christmas tree. For the next star, he flattened four straws and cut them into short and long strips:



Maksym then creates a star from these strips and glues it together. He uses all the strips that he has cut.

Which star could Maksym get?



10

Sind die Lichter angezündet

“Sind die Lichter angezündet,” hums Mrs Wonne to herself as she lights the second candle on the Advent wreath on the table. But when she leaves the room briefly and returns, all the candles are out again.

Someone has played a trick on her. Her four sons sit around the table and look at her with innocent faces.

Come on, which one of you blew out the candles?”, the mother asks.

“None of us did”, replies Joris quickly. “But it was Piet”, claims Laurenz.

“Not true at all”, Piet defends himself, “Laurenz blew them out.”

Finally Nick says: “I did it.”

The mother smiles and says: “I can see that all four of you are fibbing.”

And she’s right: None of the four was telling the truth.

But the mother still manages to find out who blew out the candles.

Who was it?

(N) none of the four

(O) Joris

(T) Piet

(M) Laurenz

(E) Nick