



<https://www.colourbox.de//> Heiko Kueverling

Quarterly Problem

- Math Edition -

Go See the Sea!



The Christmas holidays are just over and after a few days of everyday life we already long for the holidays again. Spring season can't come fast enough - so how about a few relaxing days at the seaside then?

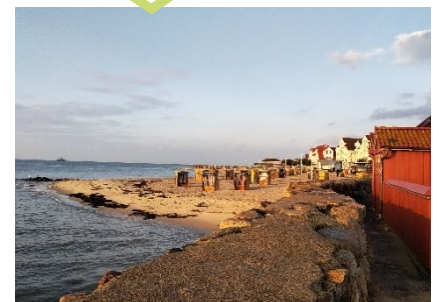
For many people being at the sea is like a holiday. Sitting on the beach, the sand between your toes, looking at the sea, or plunging into the waves right away - that sounds like some relaxing days off. If you live far away from the sea, it is even necessary to have a few days off, otherwise the trip there is not worth it at all.

For example, if we get into the car in Freiburg, we have to drive across Germany, passing several cities and villages until we arrive at the North Sea and finally feel the salty sea air blowing around our noses. But how many motorway exits does one actually pass on this way?

Determine the number of motorway exits you leave behind on your way from Freiburg to the sea. Think about which sea is most conveniently located and the distance between exits on the motorway.

Brainstorm-Box

Discuss what the best option to travel from your home to the sea would be. Which is the fastest, which is the cheapest and which is the most environmentally friendly option? Which one would you choose?



ICSE // Katharina Flößer

Whose method is the most accurate?

Be sure to present your thoughts and findings in an accurate and understandable way. Also clarify what strategy and assumptions you have used for your estimations.