

## Sample admission test:

*Sample tasks in the admission test. There may be more or fewer tasks in the test.*

1. Circle the answers which mark the correct change of units:

a)  $180 \text{ min} = 2,5 \text{ h}$

b)  $3 \text{ kg } 500 \text{ g} = 30 \text{ } 500 \text{ g}$

c)  $5 \text{ m } 7 \text{ dm } 3 \text{ cm} = 573 \text{ cm}$

d)  $3 \text{ m } 120 \text{ dm } 13 \text{ cm} = 433 \text{ cm}$

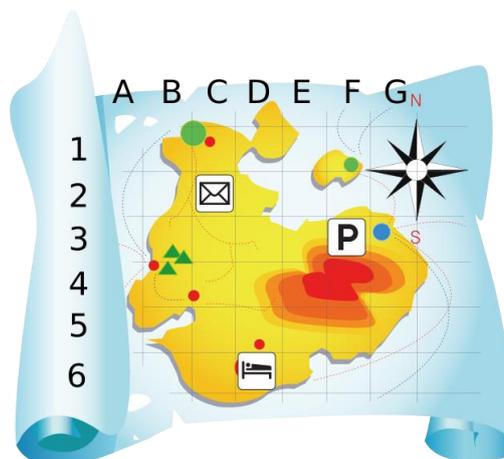
2. Find 2 cities where the largest number of trains passes each day. What is the sum of the trains which pass these 2 cities each day?

### Number of Trains that Pass Through 5 Towns Each Day

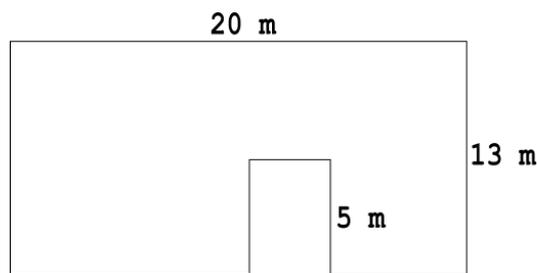
Littleton	
Bigton	
Smallton	
Largeton	
Carleton	

 = 1 Train

3. This is a map of our holiday destination. We have parked our car on position which is marked as F3. What is the position of our hotel?



4. Farmer Thomas needs to fence off the land which you can see on the map in the picture. How many meters of wire fencing will he need?



5. In a school, the lesson starts at 8:50 and ends at 10:10. How many minutes does this lesson last?
6. Circle all correct equalities:
- a)  $9 + (14 - 6) \times 3 = 33$
  - b)  $(9 + 14) - 6 \times 3 = 51$
  - c)  $9 + 14 - 6 \times 3 = 5$
  - d)  $9 + 14 - 6 \times 3 = 51$
7. Write a number which has a digit 3 at place of hundreds, digit 9 at place of thousands, digit 1 at place of units.
8. Fill in the missing number  $2 + \quad + 400 + 0 + 40\,000 = 40\,462$ .
9. Write the sum of all these numbers after rounding them to hundreds. 991; 959; 949; 850.
10. Cathy has 30 sweets. Larry ate a half of them and Tom ate one third of the rest. What fraction of the sweets was left for Cathy?
11. Numbers are hidden behind the letters. Arrange the letters according to the result from the smallest to the largest.
- a)  $67 \times b = 335$
  - b)  $2451 \div z = 43$
  - c)  $n + 30 = 800$
  - d)  $446 - v = 343$
12. What fraction of the pigs are pink?

