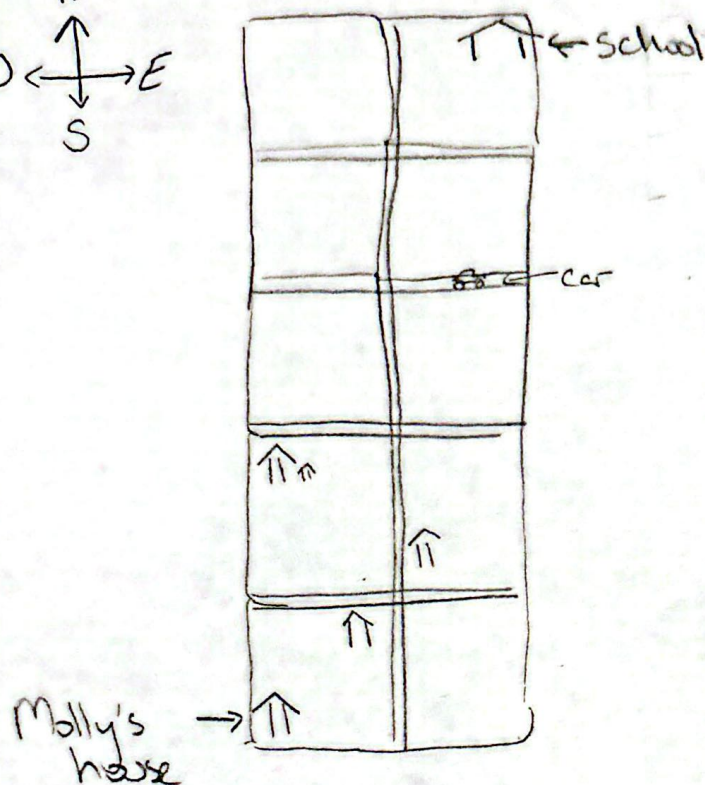
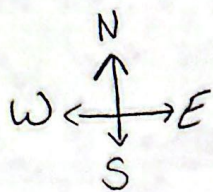


Solution to Problem Solving #2



Molly could walk

2 blocks east & then 5 blocks north
to get to school.

Let's denote that path with

EE NNNNN

where each letter represents
walking one block in the
letter's direction.

Molly could instead walk

NN EE NNN

or north 2 blocks then east 2 blocks
and then north the remaining 3.

To see if Molly can have a different route for 4 weeks, or
20 days we need to see if we can list the 2 E's and 5 N's
20 different ways? Which we can " below
So Yes! She can.

1) EENNNNN	8 NENENN	15 NNENNNE
2) ENENN	9 NENNENN	16 NNNEENN
3) ENNENN	10 NENNEN	17 NNNENEN
4) ENNNENN	11 NENNNE	18 NNNENNE
5) ENNNNEN	12 NNEENN	19 NNNNEEN
6) ENNNNNE	13 NNENENN	20 NNNNEE
7) NEENN	14 NNENN	21 NNNNEE