



## Worksheet 3 / Chapter 15

Name : \_\_\_\_\_

Marks : \_\_\_\_\_ / \_\_\_\_\_

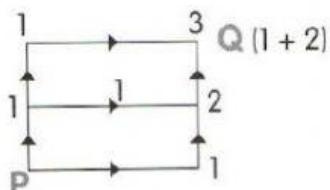
Class : \_\_\_\_\_

Date : \_\_\_\_\_

1. Look at the street plans below.

In Plan 1, there are 3 ways you can move from P to Q, assuming that you always turn at right angles and get closer to Q.

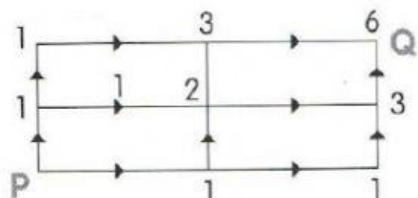
Plan 1



$$1 + 2 = 3 \text{ ways}$$

In Plan 2, there are 6 ways you can move from P to Q, assuming that you always turn at right angles and get closer to Q.

Plan 2

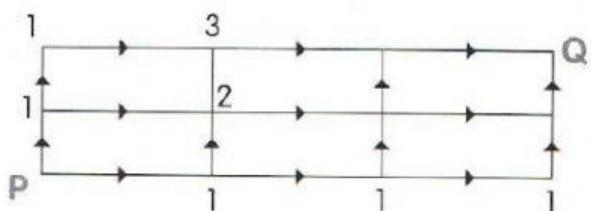


$$1 + 2 + 3 = 6 \text{ ways}$$

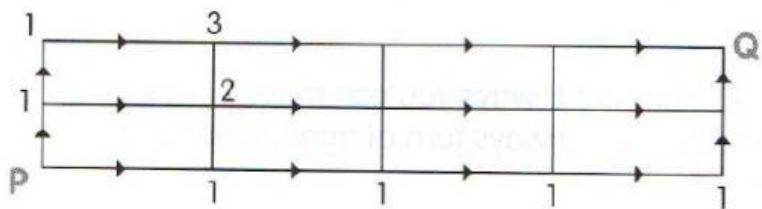


In Plans 3, 4 and 5, how many ways can you move from P to Q, assuming that you always turn at right angles and get closer to Q?

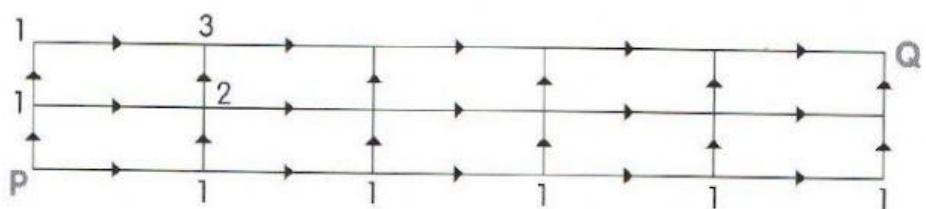
(a) Plan 3



(b) Plan 4

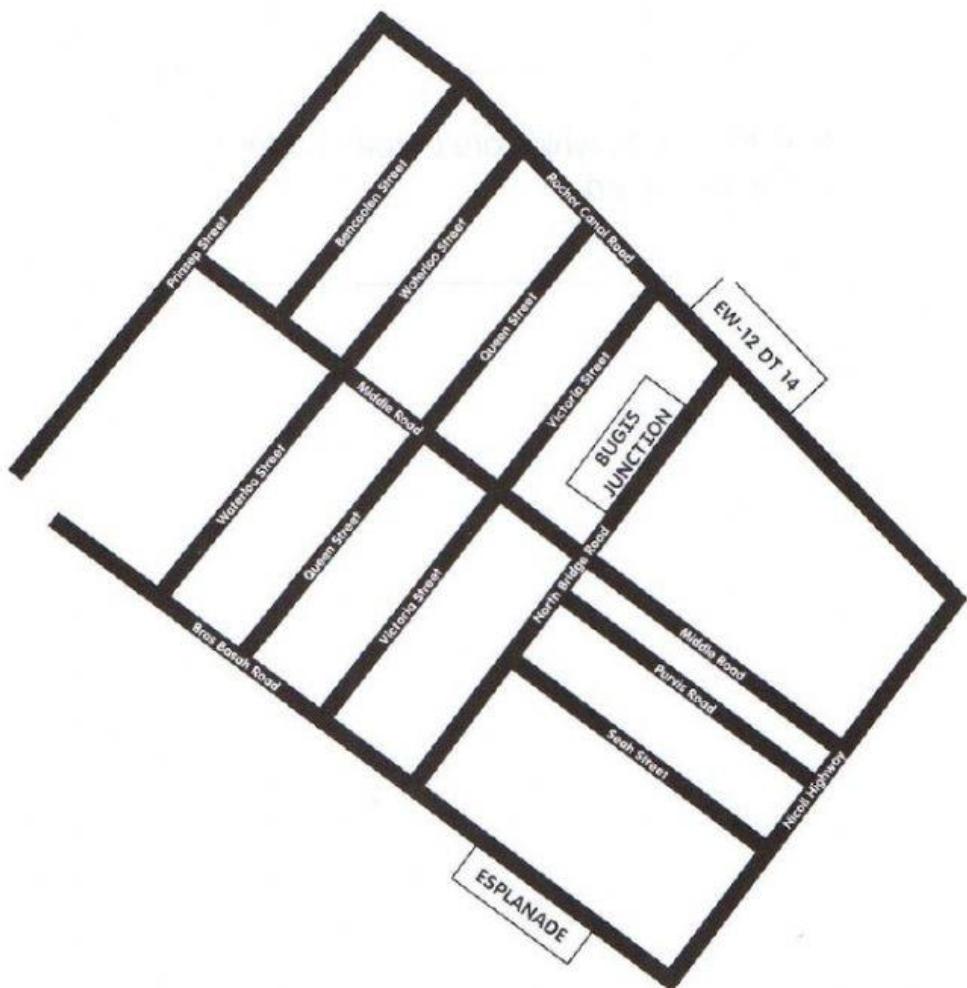


(c) Plan 5





2. A map of a central district is given below.  
Study the map carefully.  
Then, answer the questions.



(a) Name a road which is perpendicular to Victoria Street.

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(b) Name a road which is parallel to Queen Street.

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(c) Name a road which is perpendicular to Middle Road and parallel to Bencoolen Street.

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(d) Name two roads which are parallel to Purvis Street.

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(e) Name two roads which are perpendicular to North Bridge Road.

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