

# Master Maths 7 Worksheet 41

## Straight Line Graphs

# 41

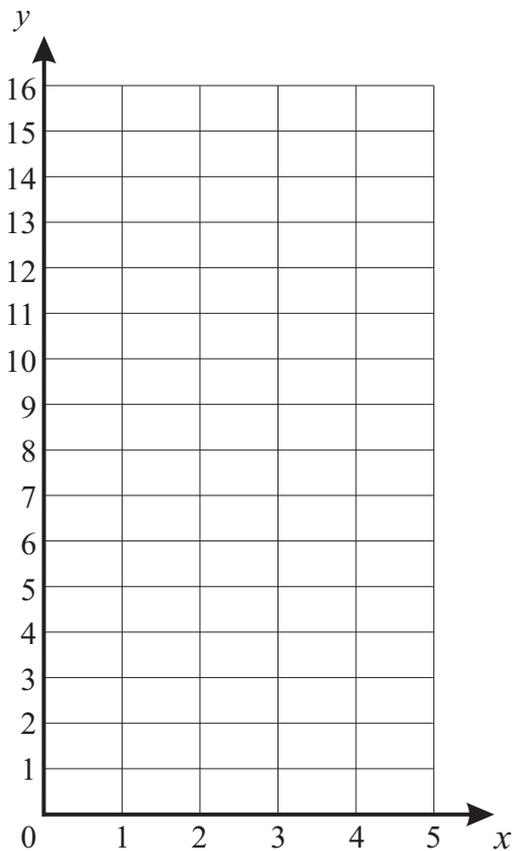
*Name:* \_\_\_\_\_

1. (a) Complete the table below for the following relationship.

$$y = 3x + 1$$

$x$	0	1	2	3	4	5
$y$						

- (b) Plot these points on the axes below and connect them.



2. (a) Complete the table below for the following relationship.

$$y = 10 - 2x$$

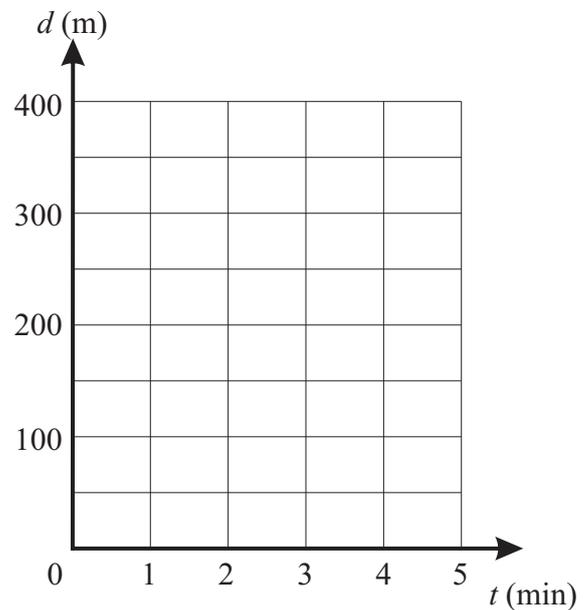
$x$	0	1	2	3	4	5
$y$						

- (b) Plot these points on the axes above and connect them.

3. The table below records the distance ( $d$ ), in metres, versus time ( $t$ ), in minutes, for a person walking.

$t$ (min)	0	1	2	3	4	5
$d$ (m)	0	80	160	240	320	400

- (a) Plot this information on the graph below.



- (b) Complete the equation below for this relationship.

$$d =$$

- (c) How far would this person walk in 30 minutes?

- (d) How long would it take the person to walk 20 km?