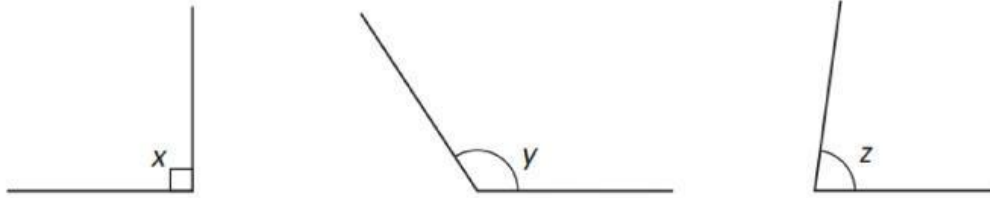


Name/Class: \_\_\_\_\_

## Angles, Position, and Direction

### Worksheet A: Estimate, Compare, and Classify Angles

1. Fill in the blanks.



- (a) Angle \_\_\_\_\_ is a right angle.
- (b) Angle \_\_\_\_\_ is smaller than a right angle.  
It is an \_\_\_\_\_ angle.
- (c) Angle \_\_\_\_\_ is greater than a right angle.  
It is an \_\_\_\_\_ angle.

2. Write “acute”, “obtuse”, “straight” or “right”.

(a)



The angle between the hour hand and minute hand is a  
\_\_\_\_\_ angle.

(b)



The angle between the hour hand and minute hand is a  
\_\_\_\_\_ angle.

(c)



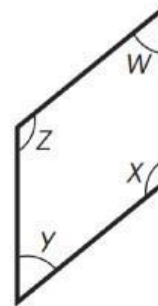
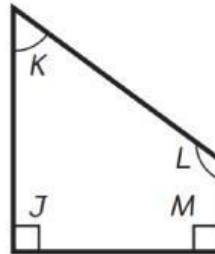
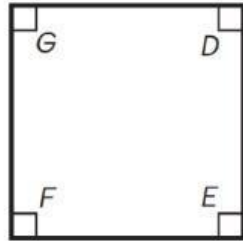
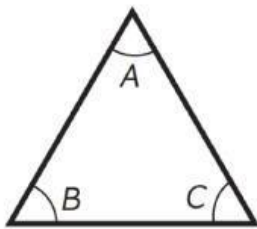
The angle between the hour hand and minute hand is an \_\_\_\_\_ angle.

(d)



The angle between the hour hand and minute hand is an \_\_\_\_\_ angle.

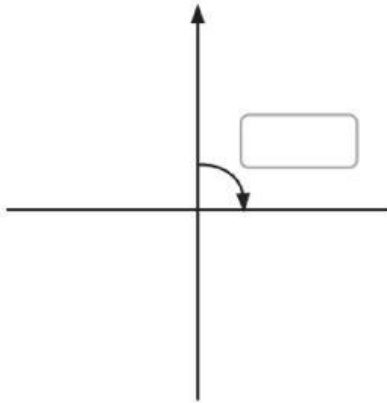
3. Classify the angles.



Acute angles	Right angles	Obtuse angles

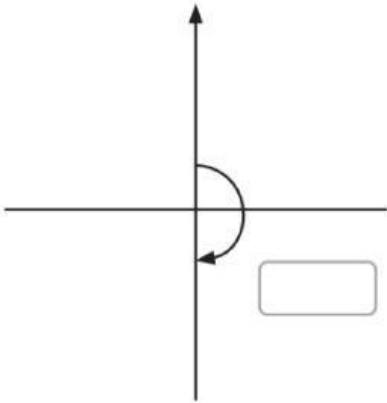
4. Fill in the blanks.

(a)



A quarter turn is equal to 1 right angle or \_\_\_\_\_.

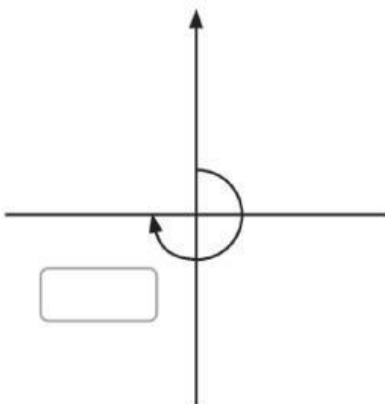
(b)



A \_\_\_\_\_ turn is equal to \_\_\_\_\_ right angles

or \_\_\_\_\_.

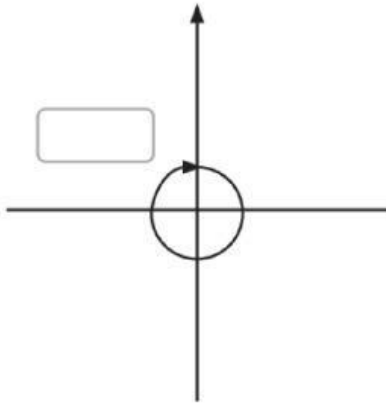
(c)



A \_\_\_\_\_ turn is equal to \_\_\_\_\_ right angles

or \_\_\_\_\_.

(d)



A \_\_\_\_\_ turn is equal to \_\_\_\_\_ right angles  
or \_\_\_\_\_.

5. Fill in the blanks.

(a) 1 full turn is made up of \_\_\_\_\_ right angles.

(b) \_\_\_\_\_ of a complete turn is  $270^\circ$ .

(c) 2 right angles is \_\_\_\_\_.

(d) \_\_\_\_\_ of a complete turn is  $90^\circ$ .

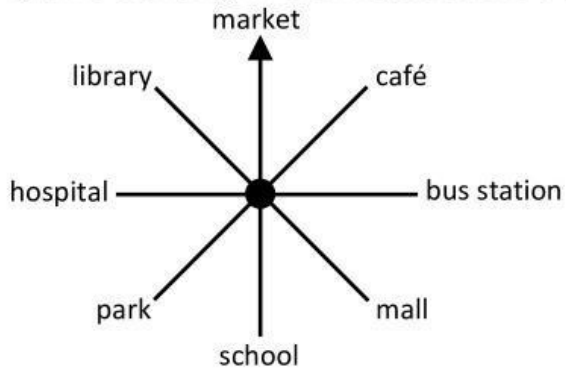
(e) Two half turns in the same direction is \_\_\_\_\_.

(f) Three one-quarter turns in the same direction is

\_\_\_\_\_ of a complete turn.

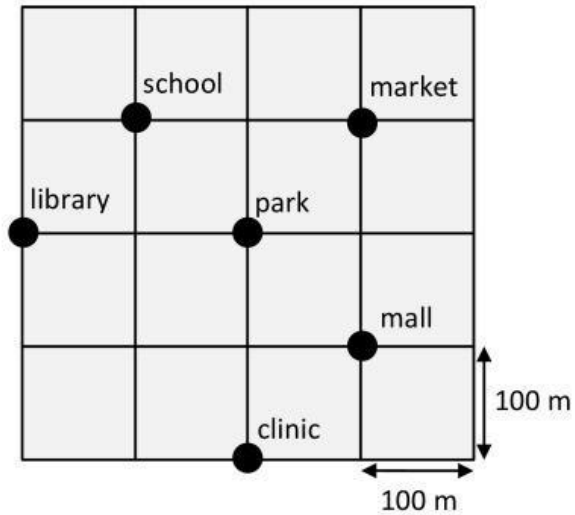
## Worksheet B: Describe the Direction and Movement on a Grid

1. Ryan is standing in the middle of the 8-point compass.



- (a) The market is \_\_\_\_\_ of Ryan.
- (b) The bus station is \_\_\_\_\_ of Ryan.
- (c) The park is \_\_\_\_\_ of Ryan.
- (d) The library is \_\_\_\_\_ of Ryan.
- (e) The \_\_\_\_\_ is south of Ryan.
- (f) The \_\_\_\_\_ is southeast of Ryan.

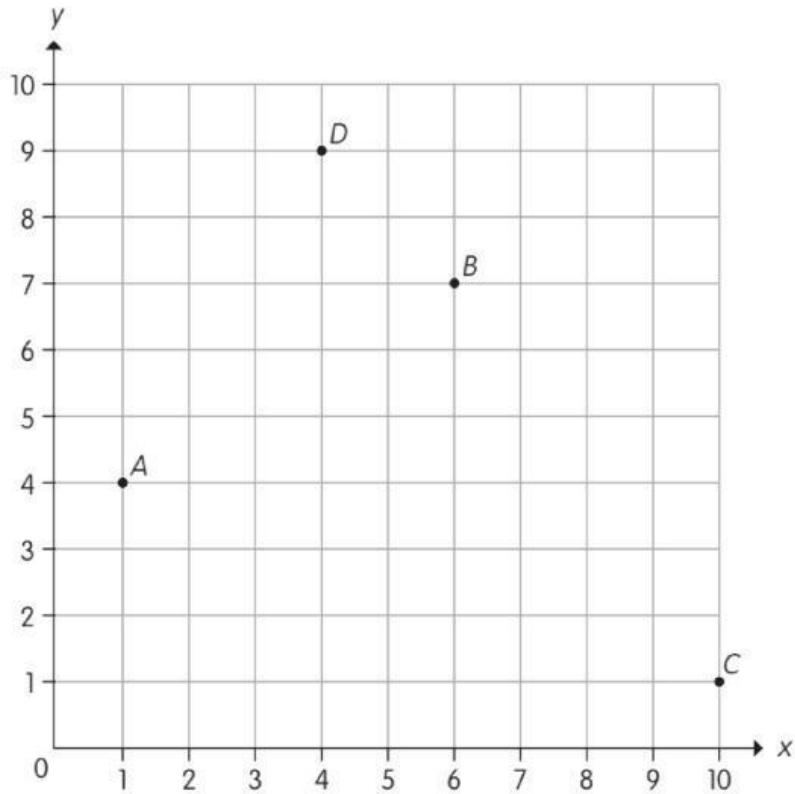
2. Fill in the blanks.



- (a) The park is \_\_\_\_\_ of the clinic.
- (b) The library is \_\_\_\_\_ of the park.  
They are \_\_\_\_\_ m apart.
- (c) The mall is \_\_\_\_\_ of the clinic.
- (d) The market is \_\_\_\_\_ of the mall.  
They are \_\_\_\_\_ m apart.
- (e) The school is \_\_\_\_\_ of the park.
- (f) The \_\_\_\_\_ is southwest of the school.

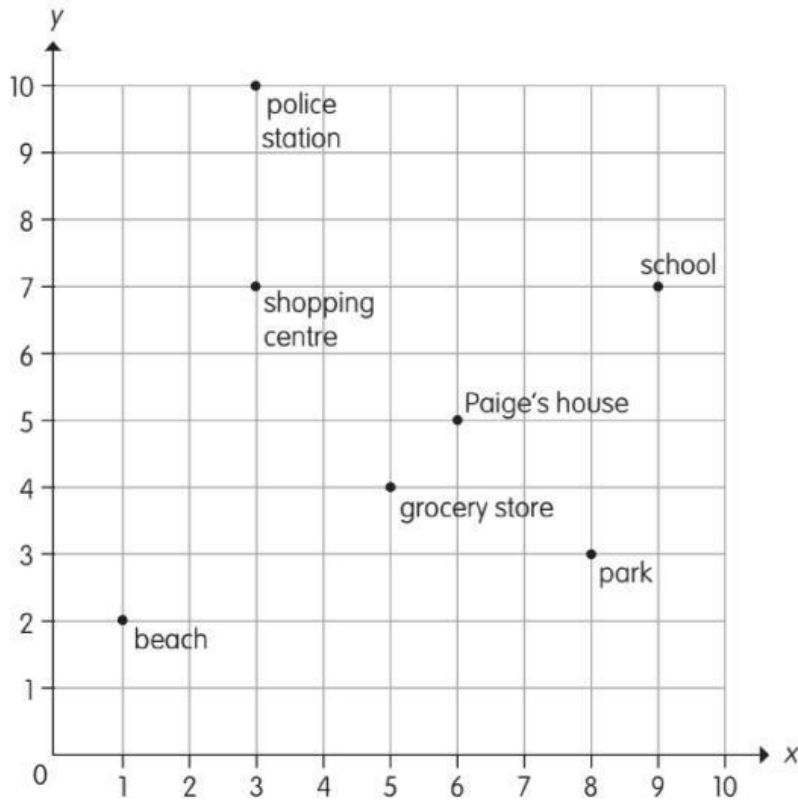
## Worksheet C: Read and Plot Coordinates on a Grid

1. Use the grid to answer the questions.



- (a) The coordinates of *A* are (\_\_\_\_\_, \_\_\_\_\_).
- (b) The coordinates of *B* are (\_\_\_\_\_, \_\_\_\_\_).
- (c) The coordinates of *C* are (\_\_\_\_\_, \_\_\_\_\_).
- (d) The coordinates of *D* are (\_\_\_\_\_, \_\_\_\_\_).
- (e) Plot the following points in the grid.  
*E*(3, 2), *F*(8, 10), *G*(9, 6) and *H*(4, 4)

2. The coordinate grid shows the map of Paige's neighbourhood.



- (a) What are the coordinates of Paige's house? (\_\_\_\_\_, \_\_\_\_\_)
- (b) What are the coordinates of the school? (\_\_\_\_\_, \_\_\_\_\_)
- (c) Paige walked 4 units east and 2 units north from the shopping centre.  
The coordinates of Paige's new position are (\_\_\_\_\_, \_\_\_\_\_).
- (d) The fire station is 1 unit west and 3 units north of Paige's house.  
Draw the location of the fire station on the grid.
- (e) Matthew says that the coordinates of the police station are (10, 3).  
Do you agree? Why?