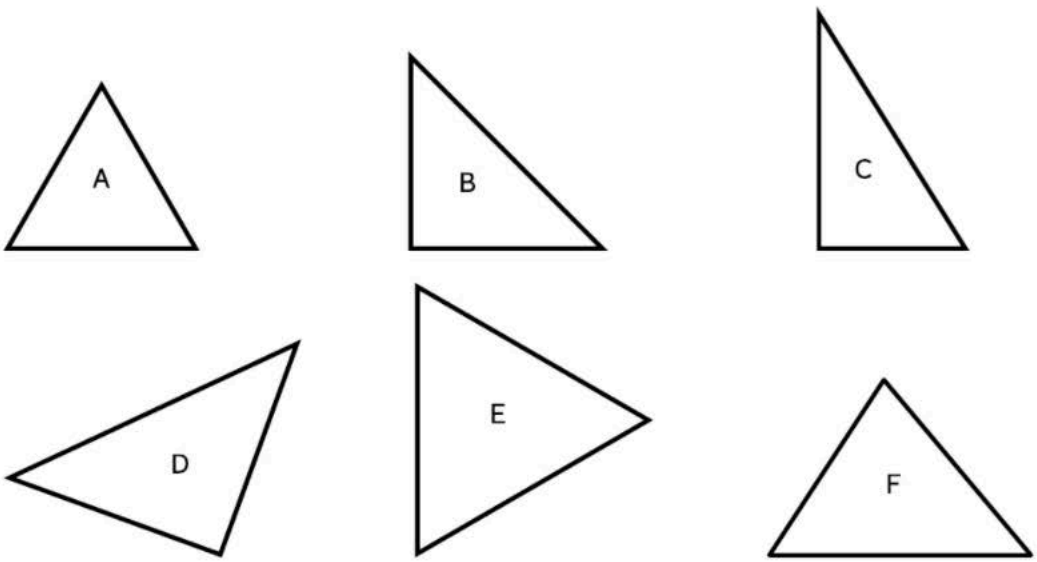
Name: _____ Date: _____

Chapter 10

ADDITIONAL PRACTICE
PROPERTIES AND CLASSIFICATION OF 2-D SHAPES

Exercise 10A Properties and Classification of Triangles

1. Measure the side lengths of each triangle using a ruler.



(a) Classify the triangles by side lengths.

Equilateral	Isosceles	Scalene

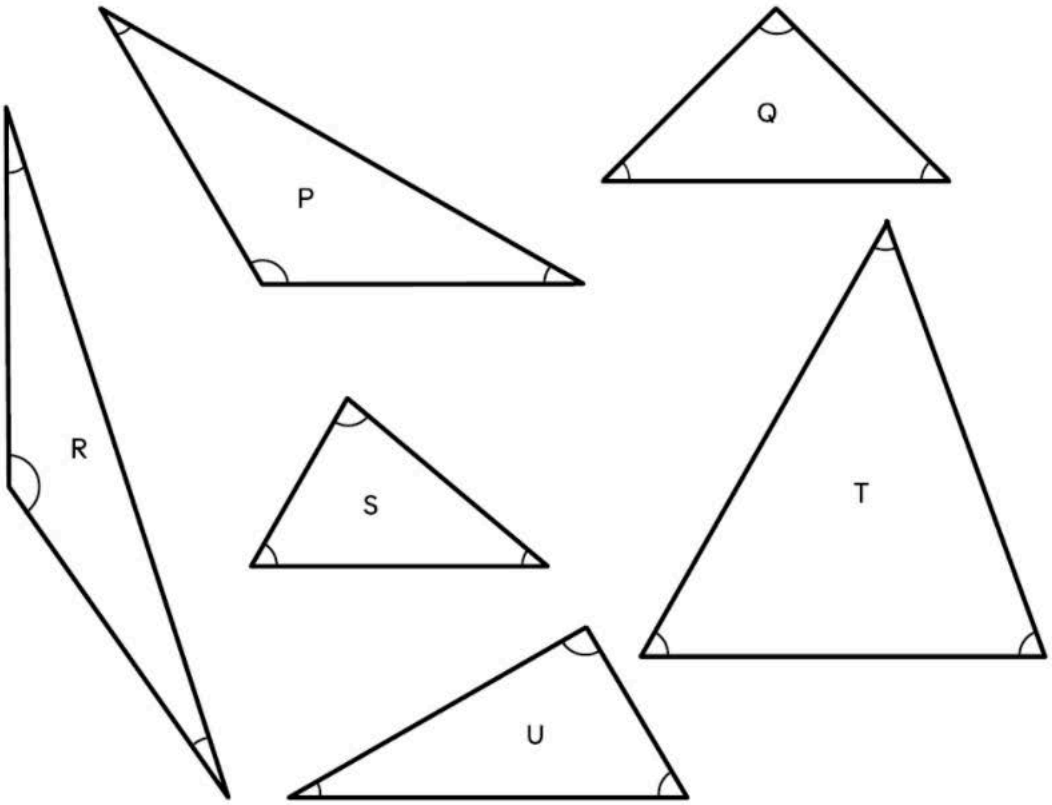
(b) What do you notice about the sides in these triangles:

Isosceles triangle

Equilateral triangle

Scalene triangle

2. Measure the angles of each triangle using a protractor.



(a) Classify the triangles by angles.

Right Triangles	Obtuse Triangles	Acute Triangles

(b) What do you notice about the angles in these triangles:

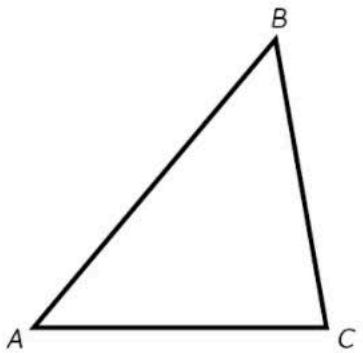
Right triangle

Obtuse triangle

Acute triangle

3. Fill in the blanks.

(a)

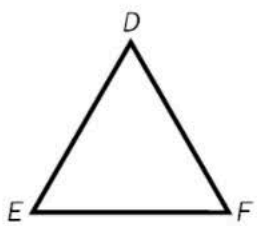


Measure of $\angle BAC$ = _____°

Measure of $\angle ABC$ = _____°

ABC is a/an _____ triangle.

(b)



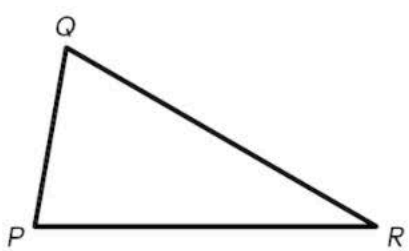
DE = _____ cm

EF = _____ cm

DF = _____ cm

DEF is a/an _____ triangle.

(c)



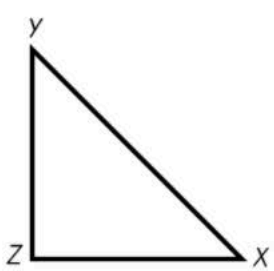
Measure of $\angle PQR$ = _____°

Measure of $\angle QRP$ = _____°

Measure of $\angle QPR$ = _____°

PQR is a/an _____ triangle.

(d)



XZ = _____ cm

YZ = _____ cm

XY = _____ cm

XYZ is a/an _____ triangle.

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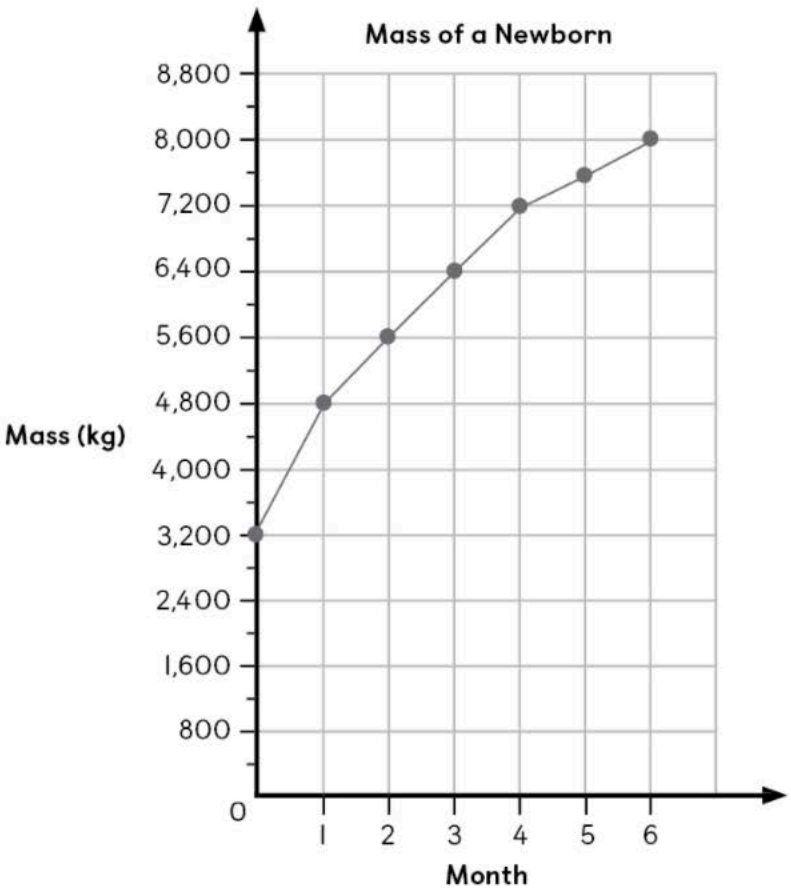
Exercise 11C Line Graphs

1. The line graph below shows the mass of a newborn baby in the first six months.



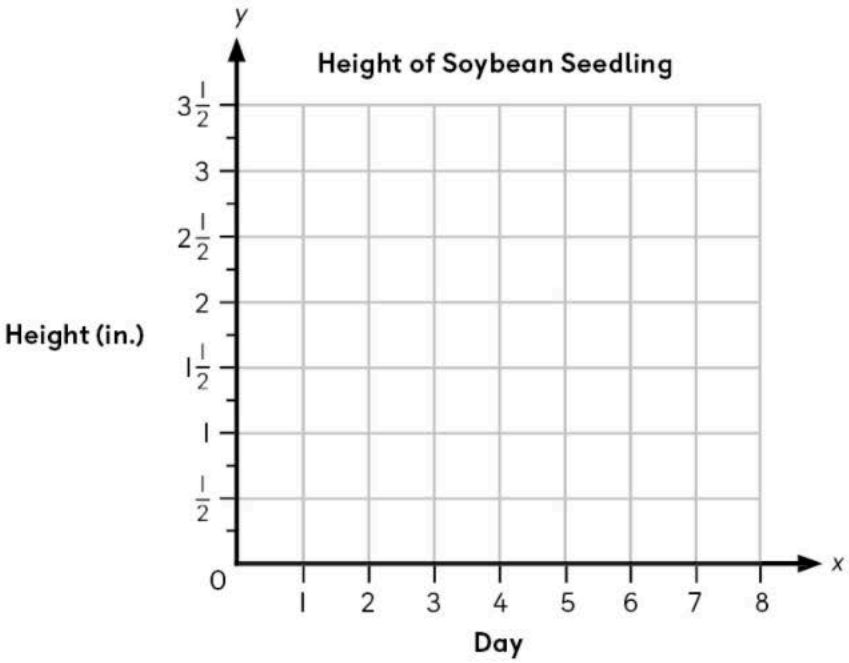
(a) Between which two months was the increase in the mass of the newborn baby the greatest? How much was the increase?

(b) Will the mass of the newborn baby increase or decrease after 6 months? Explain.

2. Irene recorded her observations of the growth of her soybean seedling for 8 days. The table below shows the height of her soybean seedling.

Day	1	2	3	4	5	6	7	8
Height (in.)	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	3	$3\frac{1}{4}$

(a) Plot the ordered pairs to make a line graph.



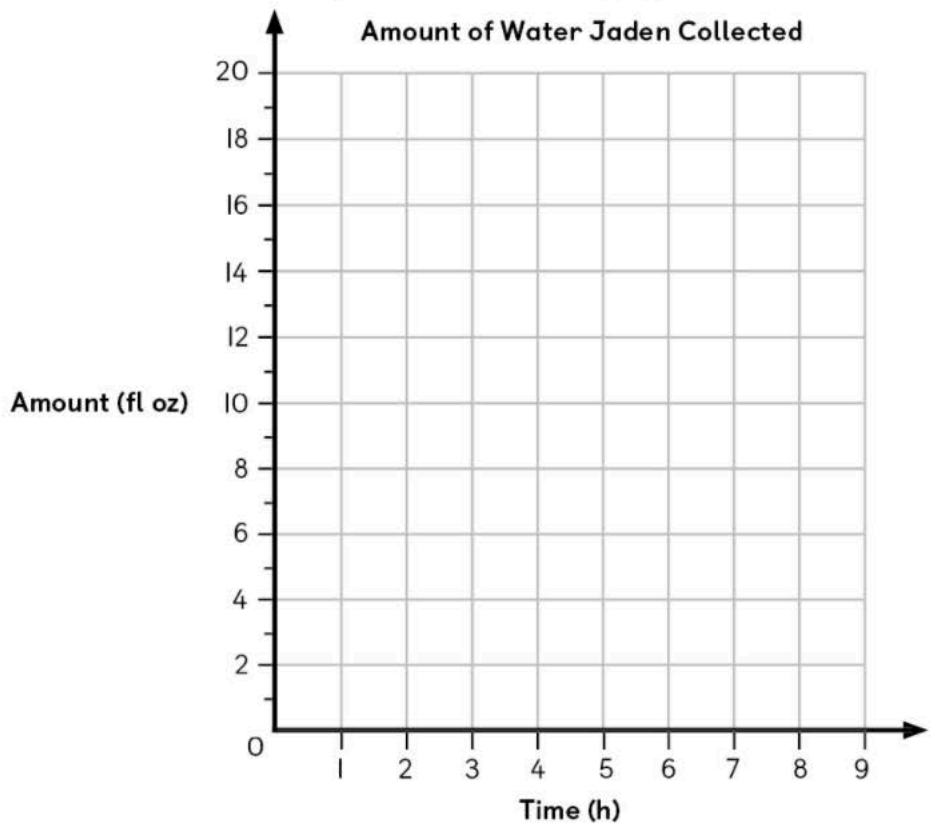
(b) Between which two days was the increase in the height of seedling the greatest? What was the increase?

(c) What was the increase in height over 8 days?

3. The table shows the amount of water Jaden collected from a leaking tank over a period of 6 hours.

Time (h)	0	1	2	3	4	5	6
Amount of water (fl oz)	0	2	4	6	8	10	12

(a) Plot the ordered pairs to make line graph.



(b) How much water was collected after $3\frac{1}{2}$ hours? Draw to show on the graph.

(c) The tank was repaired after 9 hours. How much water was collected in all? Draw to show on the graph.