

Section C (4 points each)

- 15** A cook mixed 0.95 kg of white beans, 11.07 kg of red beans, and 5.4 kg of black beans together in a bag. How many kilograms of beans were in the bean mixture?

- 16** There was 2.6 L of sparkling water in a bottle. Emma spilled 0.05 L of it. She then poured the remaining water equally into 5 glasses. How many liters of water were in each glass? Express the answer correct to the first decimal place.

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

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



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## Test A

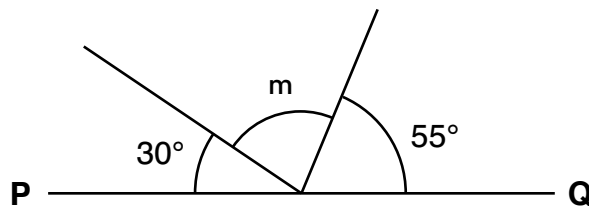
# Chapter 11 Geometry

Section A (2 points each)

Circle the correct option: **A**, **B**, **C**, or **D**.

You will need a set square, a protractor, and a ruler for this test.

- 1** PQ is a straight line. What is the measure of  $\angle m$ ?



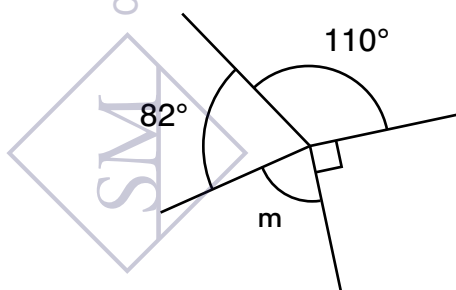
**A**  $275^\circ$

**B**  $95^\circ$

**C**  $85^\circ$

**D**  $60^\circ$

- 2** What is the measure of  $\angle m$ ?



**A**  $78^\circ$

**B**  $120^\circ$

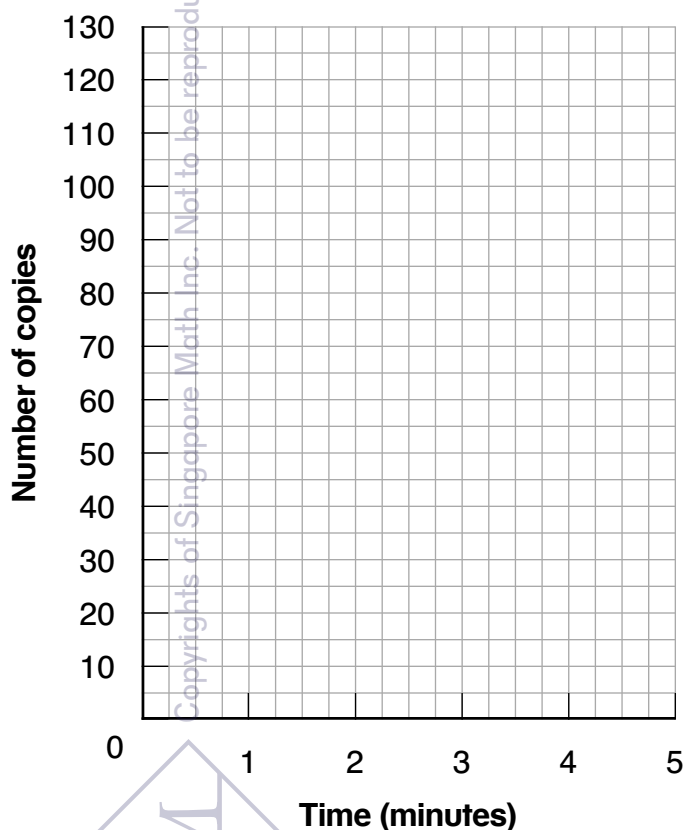
**C**  $110^\circ$

**D**  $80^\circ$

The table below shows the number of copies made at the end of each hour for Copy Machine A and Copy Machine B. Use the table to answer questions 12–14.

Time (minutes)	1	2	3	4	5
A: (number of copies)	20	40	60	80	100
B: (number of copies)	25	50	75	100	125

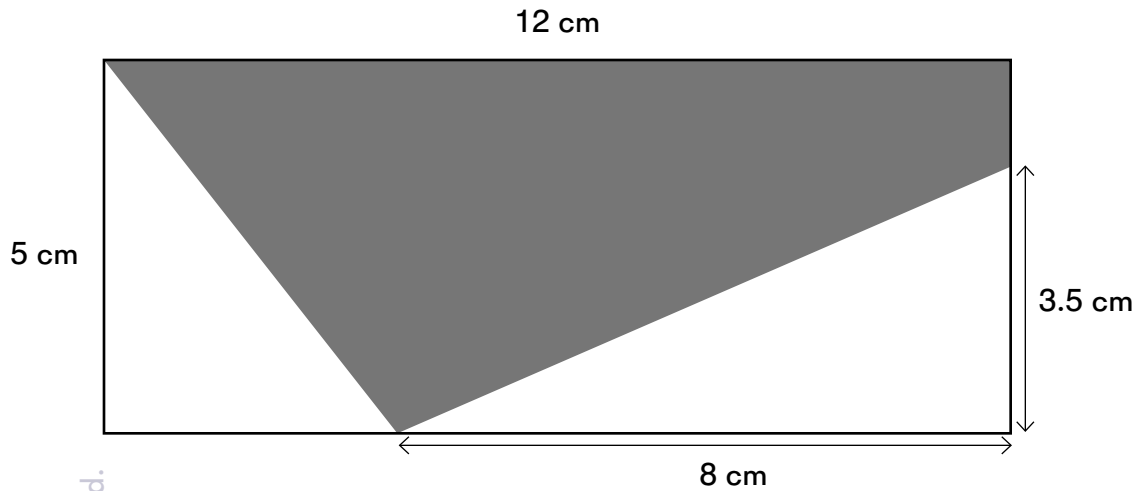
- 12** Use the information from the above table to create a straight-line graph A for Machine A and a straight-line graph B for Machine B.



- 13** Which line shows a greater increase in the number of copies made each minute?

- 14** How many copies can Machine A make in  $4\frac{1}{2}$  min?

- 23 Find the area of the shaded part of following figure.



- 24 The average age of Emma and her 4 friends is 11 years. The average age of the children increases to 12 years if Emma's sister is included. How old is Emma's sister?



12  $0.35 \times 3.2 =$

A 1.56

B 112

C 1.12

D 1.05

13 How long does it take to fill an empty pool with 75 L of water if water is flowing into the pool at a rate of 5 L per minute?

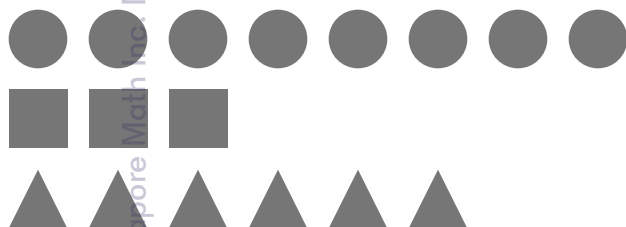
A 15 min

B 375 min

C 7.5 min

D 25 min

14 What is the ratio of triangles to circles in simplest form?



A 4 : 3

B 3 : 4

C 6 : 17

D 2 : 1

15 5% of the vehicles at a car show were convertibles. How many convertibles were there if there were a total of 1,200 vehicles at the show?

A 6

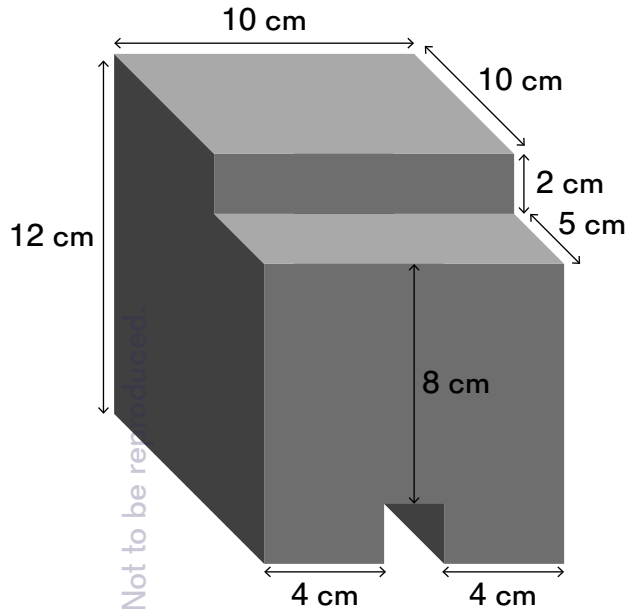
B 5

C 60

D 600

Section C (4 points each)

- 31 A cuboidal tunnel goes through the following solid. Find the volume of the solid.



- 32 Matthew mixed together 1.15 lb of nuts, 2.05 lb of pretzels, and 0.8 lb of raisins to make a trail mix. He then put  $2\frac{1}{2}$  lb of the trail mix into a tub and divided up the rest of the trail mix as equally as he could into 5 bags. What is the average weight of trail mix in each bag in pounds?