

**Paper Reference 1MA1/1F**  
**Pearson Edexcel**  
**Level 1/Level 2 GCSE (9–1)**  
**Mathematics**  
**Paper 1**  
**(Non-Calculator)**  
**Foundation Tier**

**Tuesday 21 May 2019 – Morning**

**Diagram Book**

**In the boxes below, write your name,  
centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

# INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

**THIS DIAGRAM BOOK MUST BE  
RETURNED WITH THE QUESTION  
PAPER AT THE END OF THE  
EXAMINATION.**

# **Contents**

## **Page**

**5 Question 6**

**6 Question 7**

**7 Question 12(a)**

**8 Question 12(b)**

**9 Question 18**

**10 Question 20**

**11 Question 21**

**12 Question 22**

**13 Question 22 (Spare copy)**

**14 Question 23**

**15 Question 25**

**16 Question 26**

**17 Question 26 (Spare copy)**

**(continued on the next page)**

**Contents continued.**

**Page**

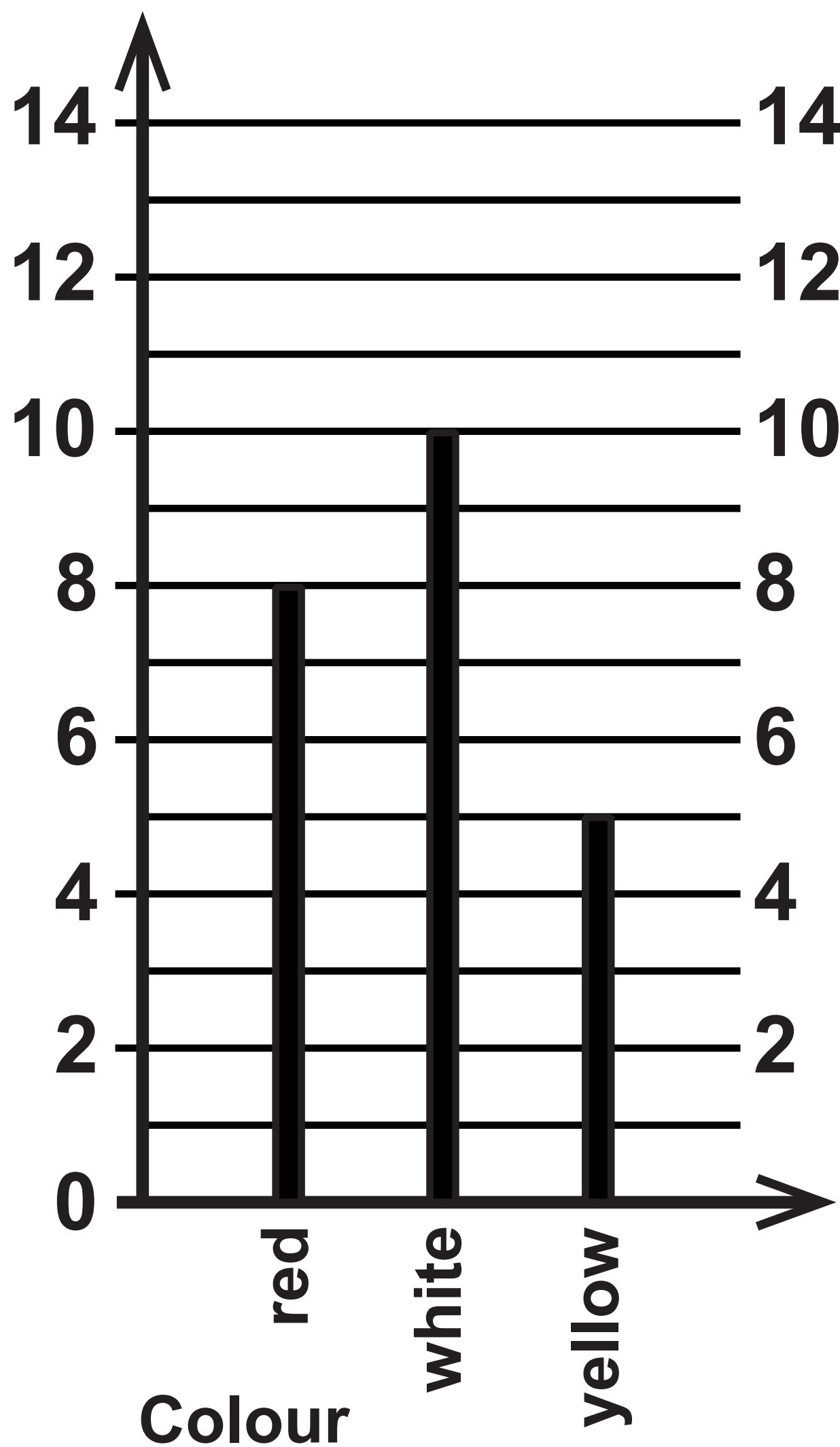
**18    Question 27**

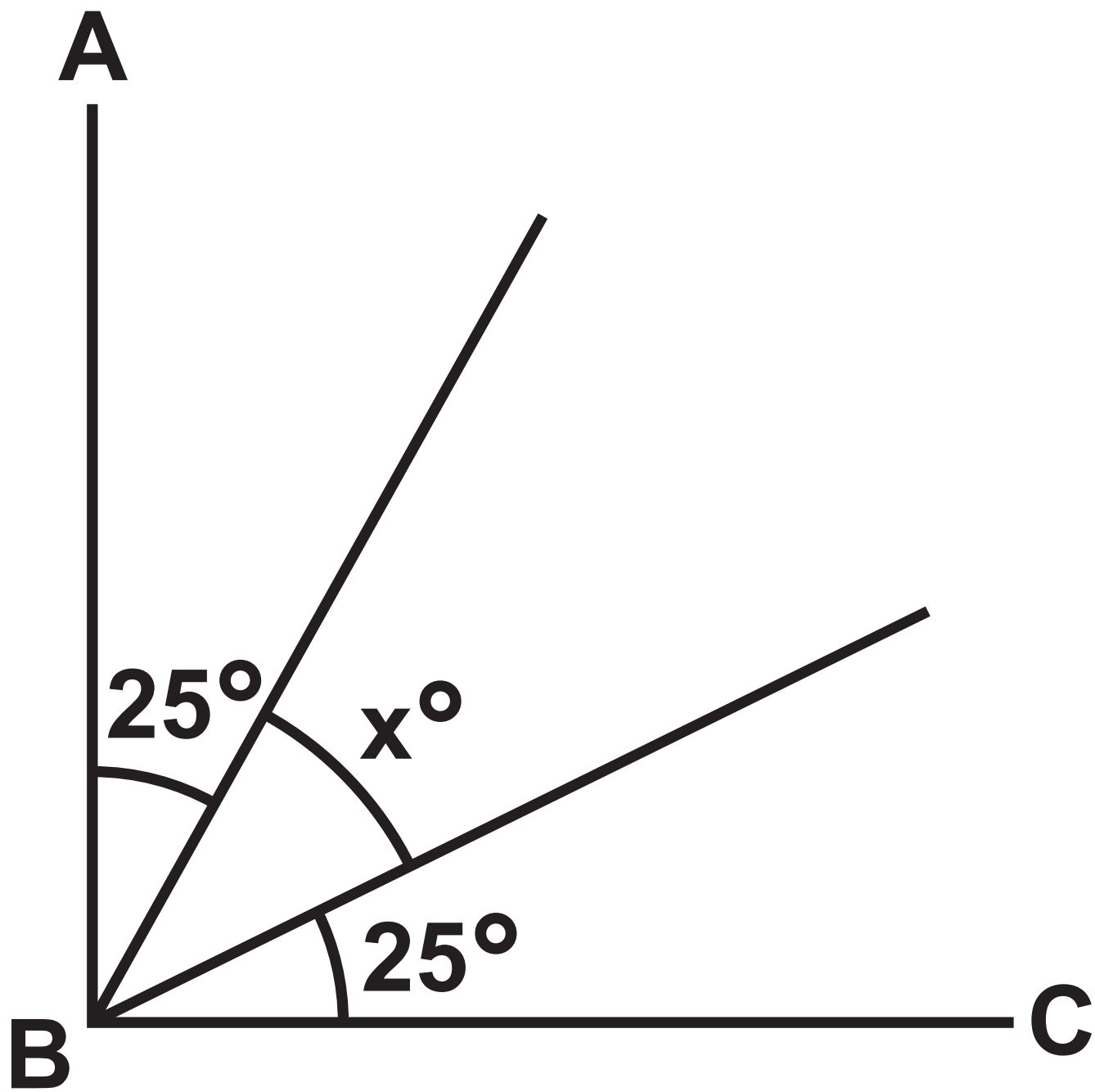
**19    Question 28**

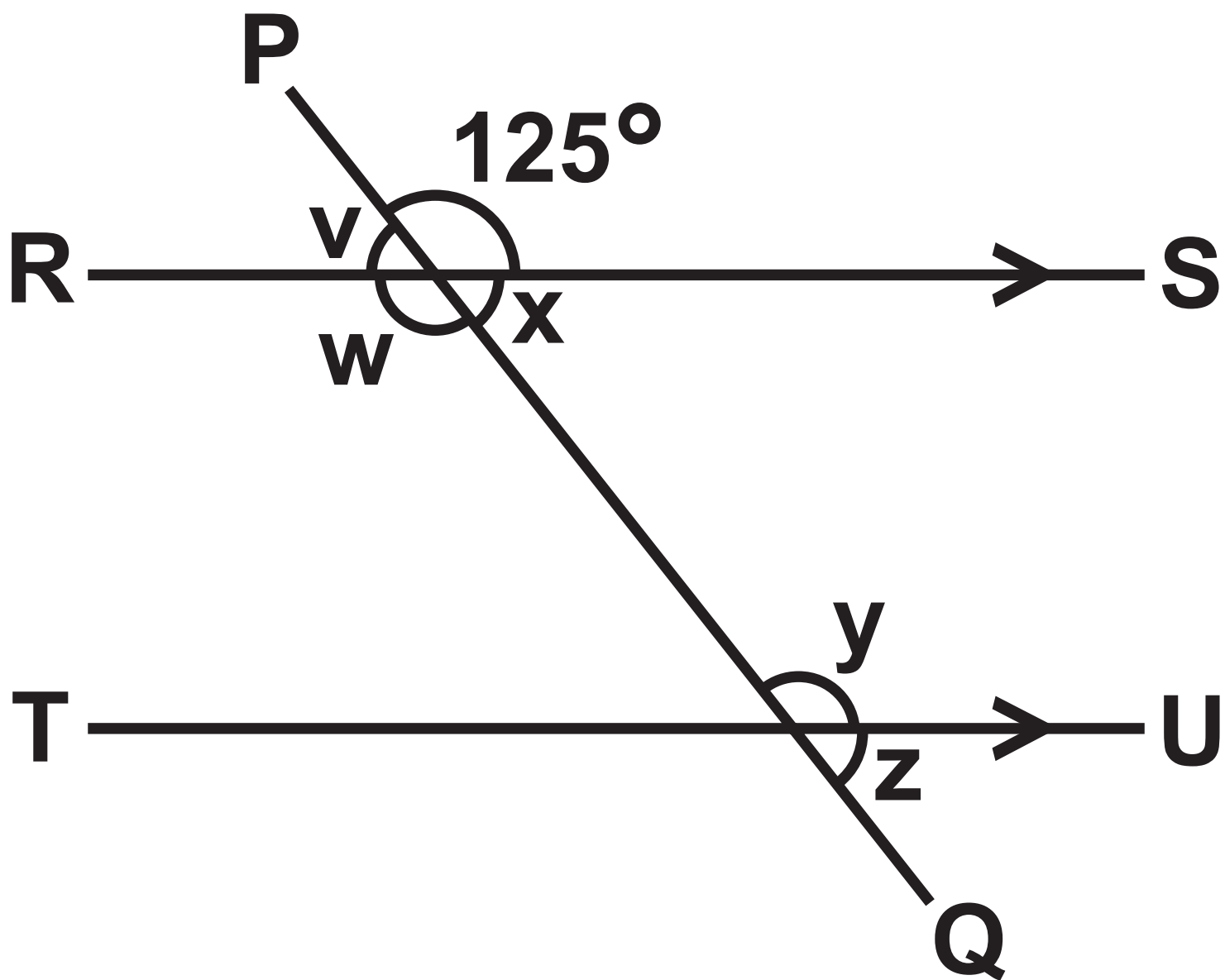
**20    Question 29**

Travel	£150
Hotel	£50 for each day
Spending money	£250

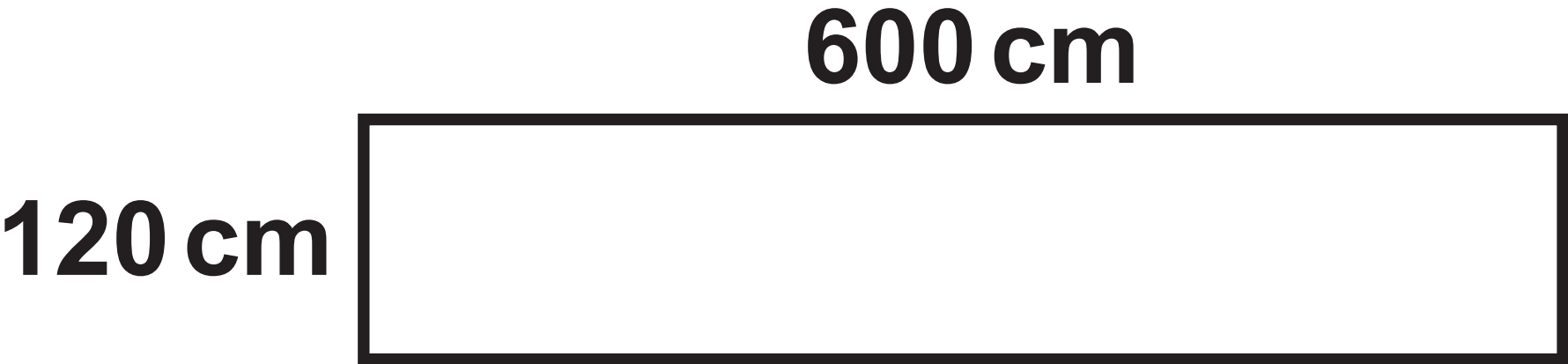
Number of flowers



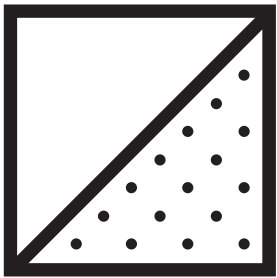




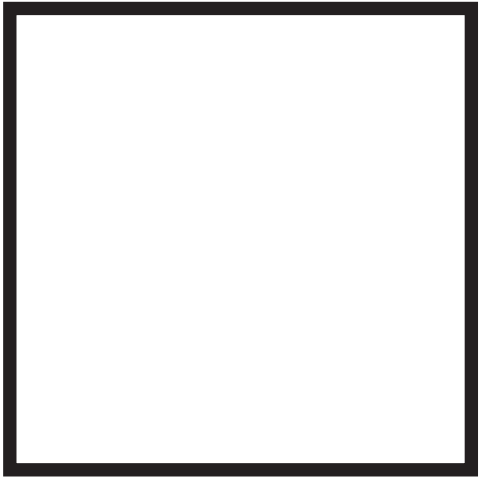




Square A



Square B



## Question 21

**There are 22 girls in the class.  
9 of the girls walk to school.  
7 of the boys cycle to school.  
6 of the 10 students who get the  
bus to school are boys.**

Colour	Probability
blue	0.2
red	
yellow	

Colour	Probability
blue	0.2
red	
yellow	

## Question 23

**Deon needs 50 grams of sugar to make 15 biscuits.**

**She also needs  
three times as much flour as sugar  
two times as much butter as sugar**

Question 25

Diagram 1

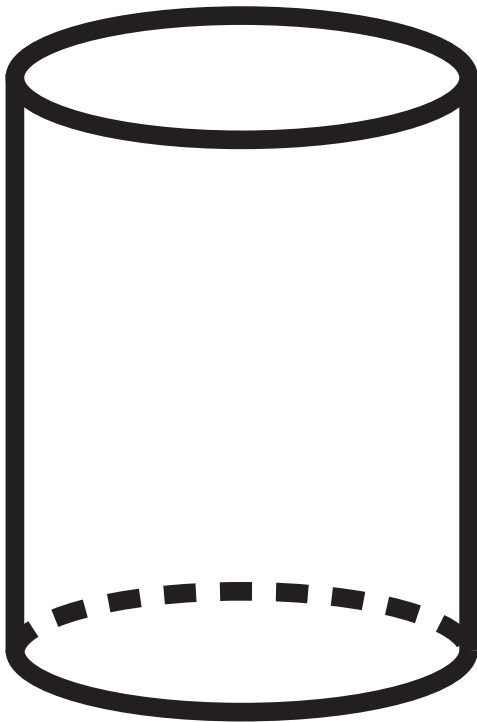
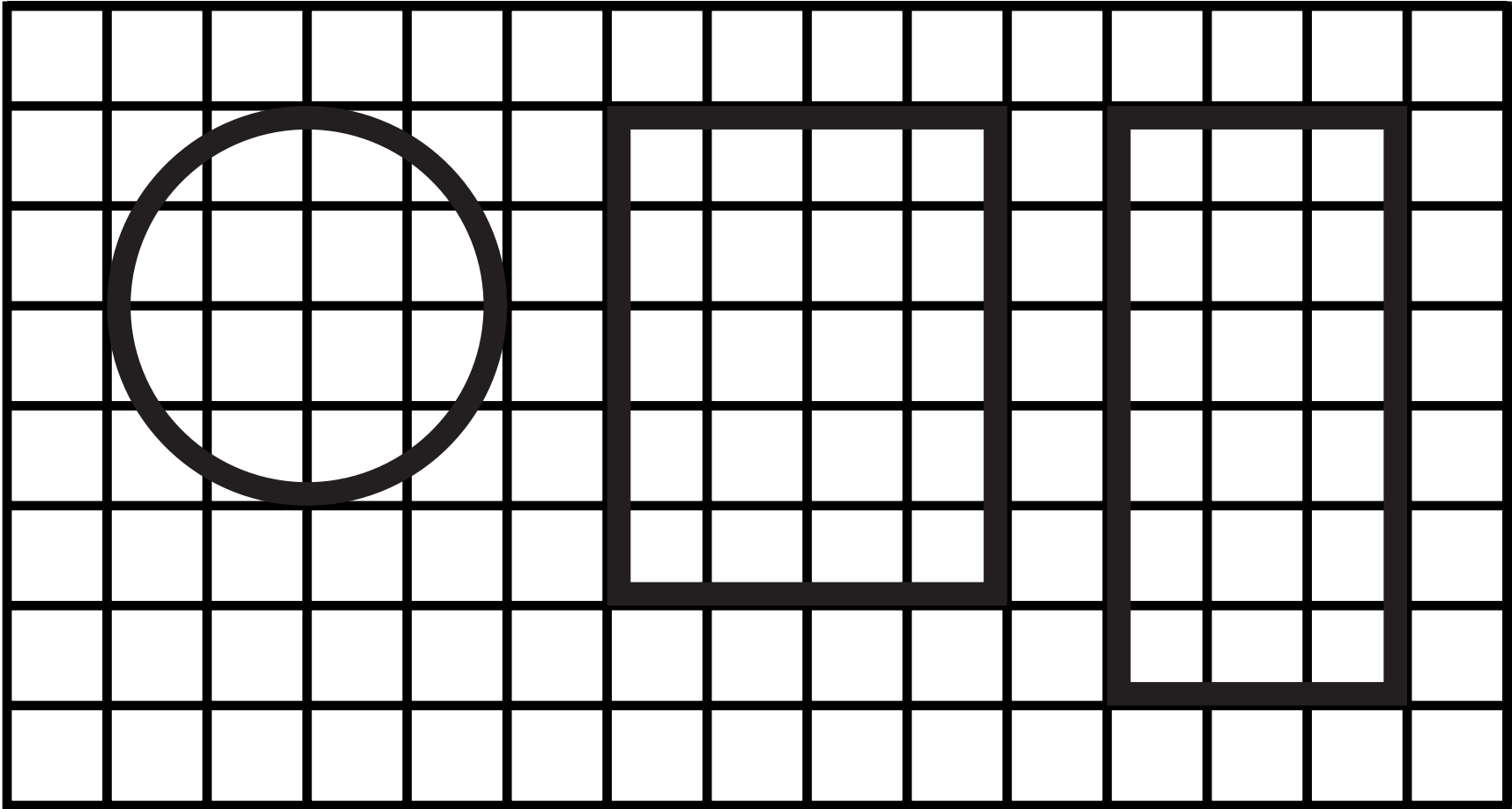


Diagram 2

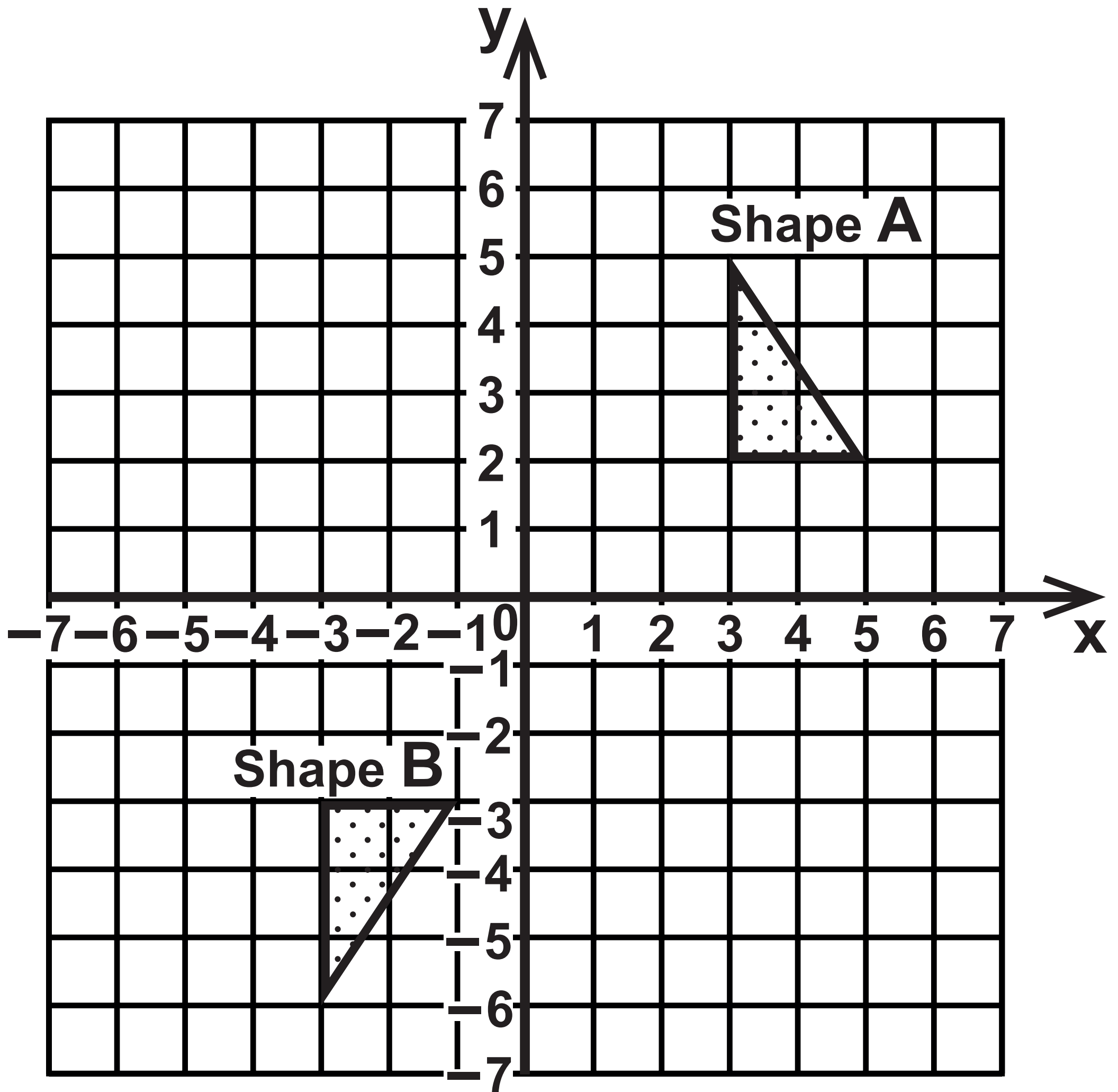
Option A

Option B

Option C

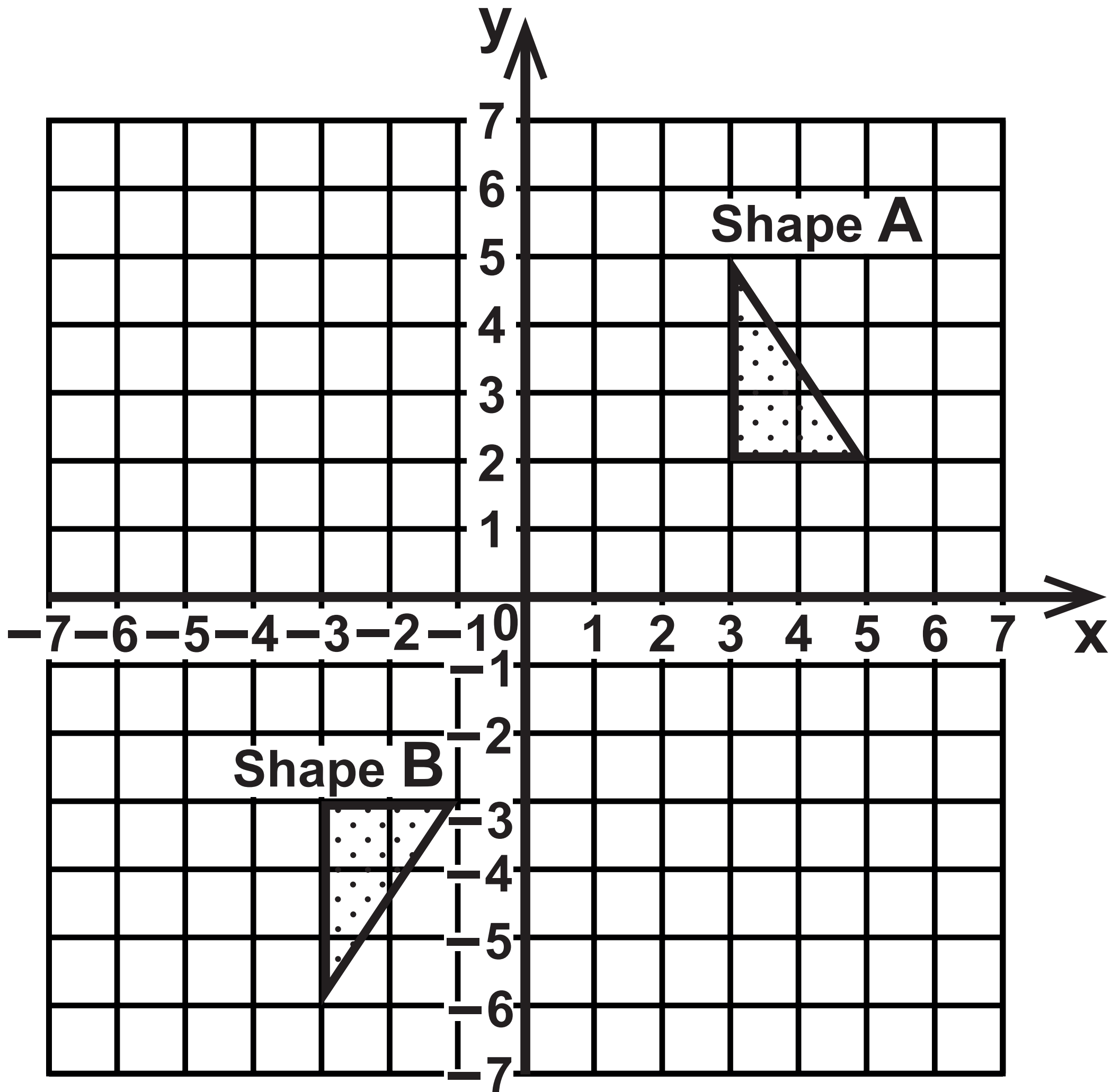


# Question 26





# Question 26



There are

2 pens in each pack of black pens

5 pens in each pack of red pens

6 pens in each pack of green pens

On Monday,

number of packs of black pens sold : number of packs of  
red pens sold : number of packs of green pens sold  
= 7 : 3 : 4

A total of 212 pens were sold.

