

Paper Reference 1MA1/1H  
Pearson Edexcel  
Level 1/Level 2 GCSE (9–1)

Mathematics  
Paper 1  
(Non-Calculator)  
Higher Tier

Tuesday 21 May 2019 – Morning

Diagram Book

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

Surname					
Other names					
Centre Number					
Candidate Number					

## 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

4	Question 1
5	Question 1 (Spare copy)
6	Question 2
7	Question 4
8	Question 5
9	Question 5 (Spare copy)
10	Question 6
11	Question 7
12	Question 10
13	Question 11
14	Question 11 (Spare copy)
15	Question 12
16	Question 15
17	Question 16

Question 1

Colour	Probability
blue	0.2
red	
yellow	

Question 1

Colour	Probability
blue	0.2
red	
yellow	

## Question 2

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 4

Diagram 1

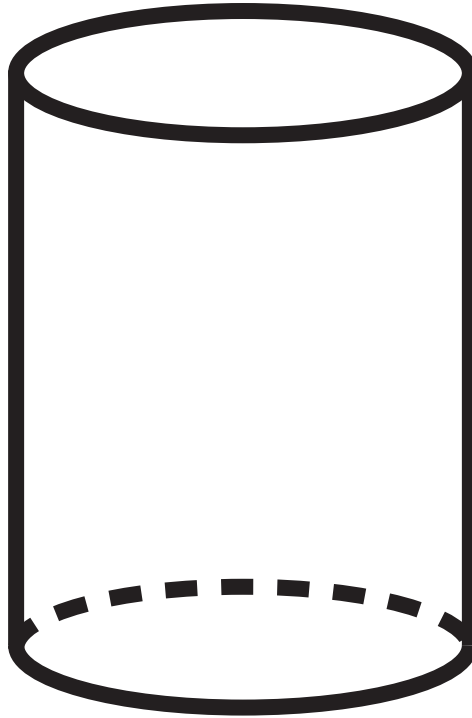
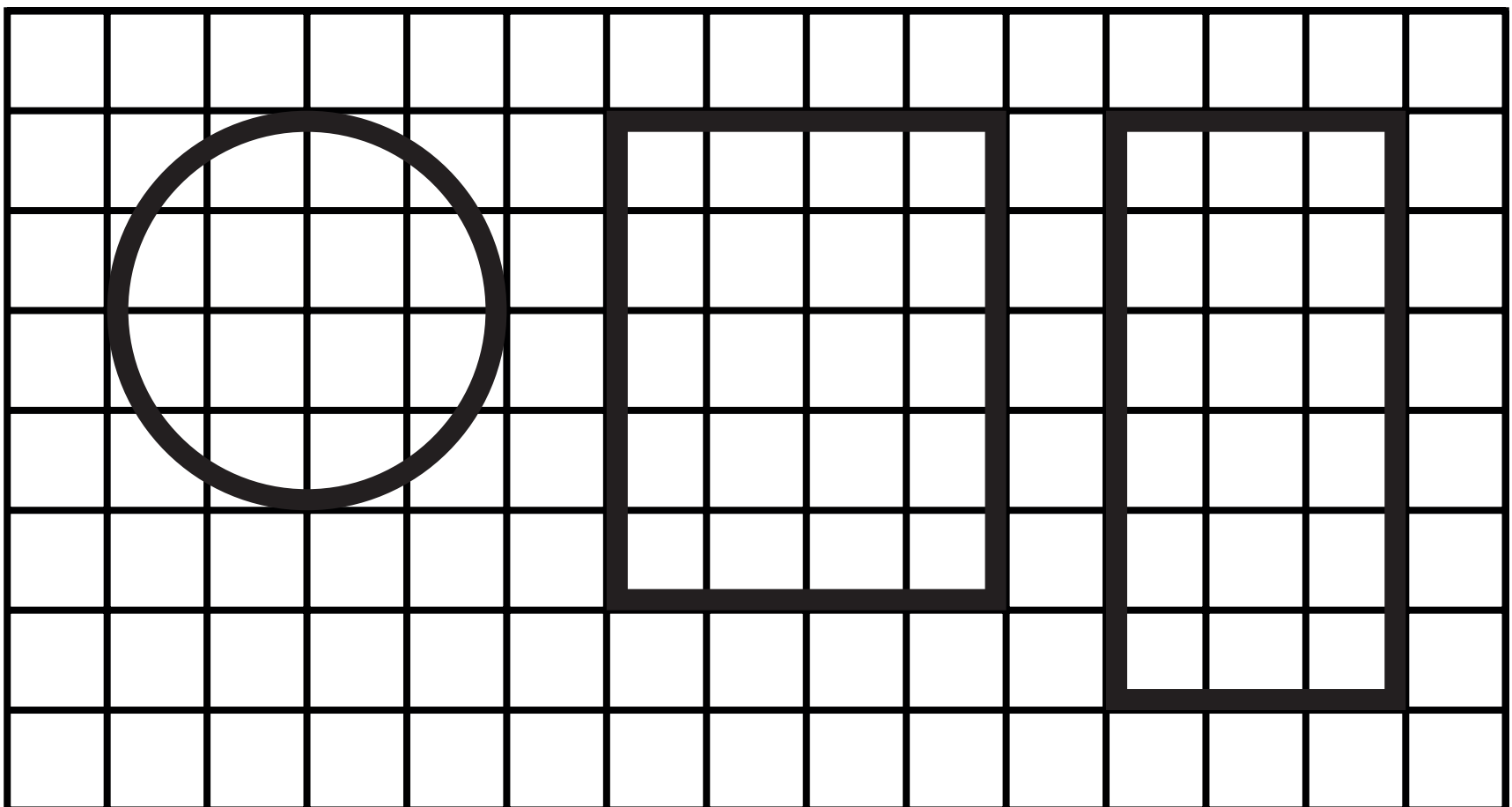
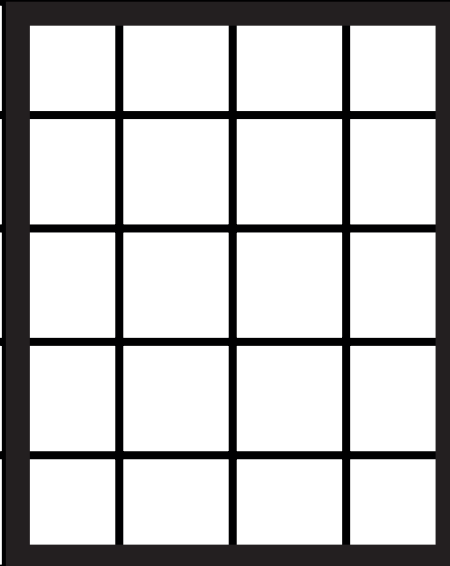


Diagram 2

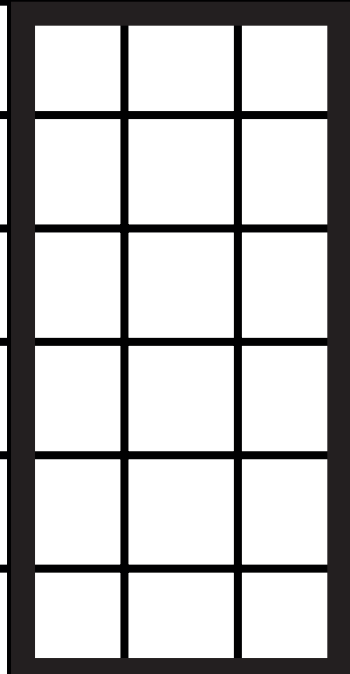
Option A



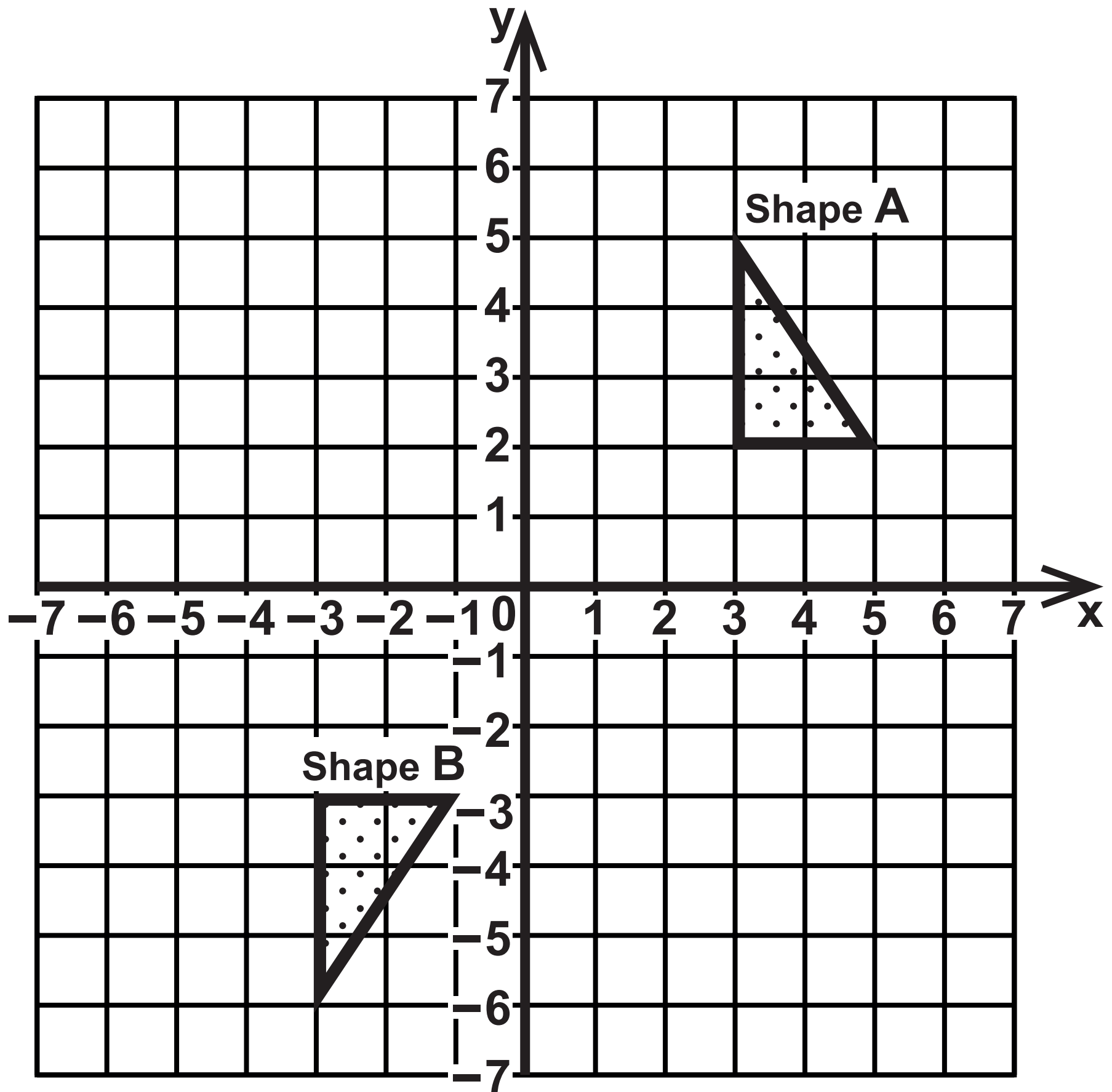
Option B



Option C

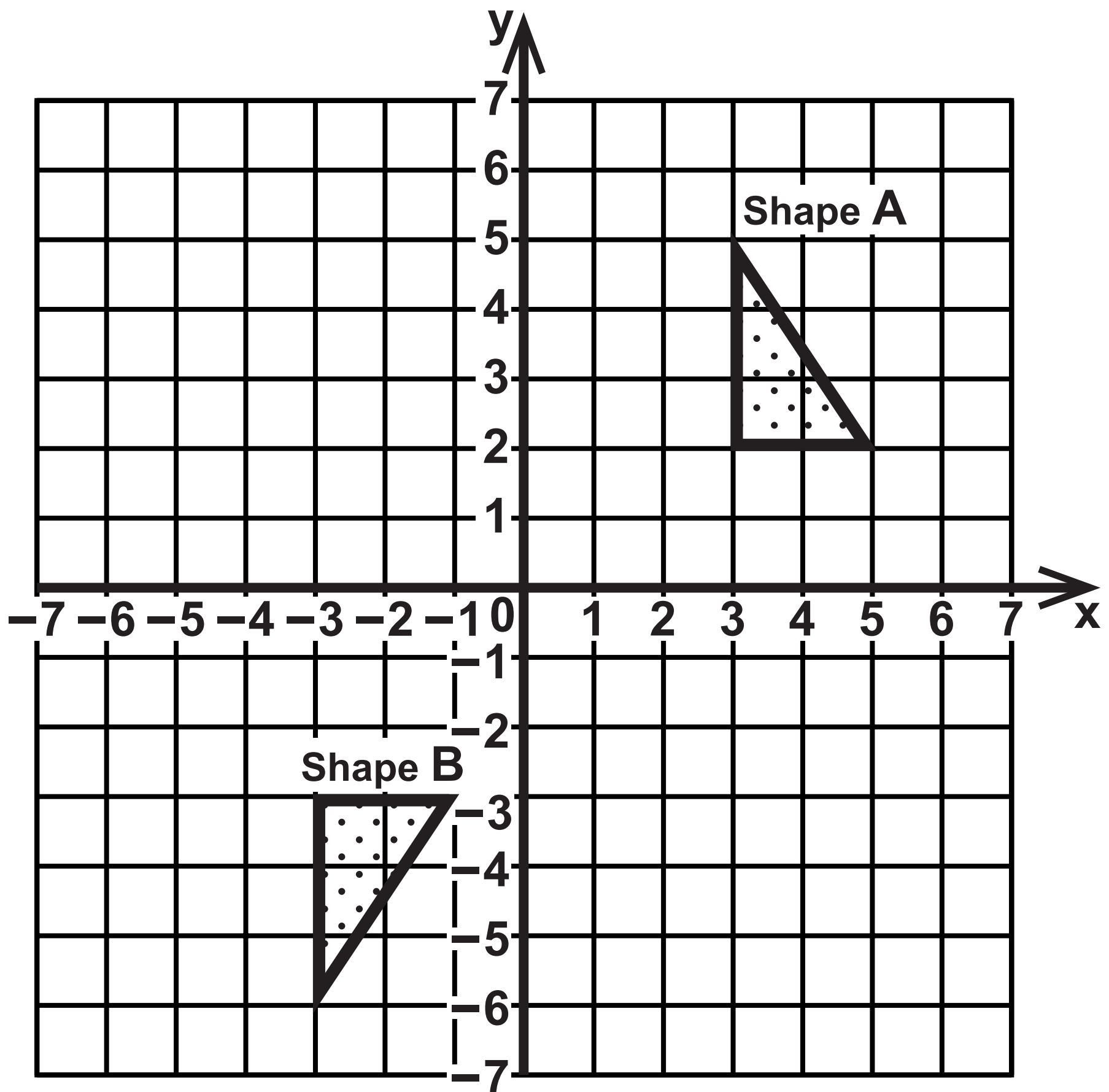


Question 5





## Question 5



Question 6

There are

2 pens in each pack of black pens

5 pens in each pack of red pens

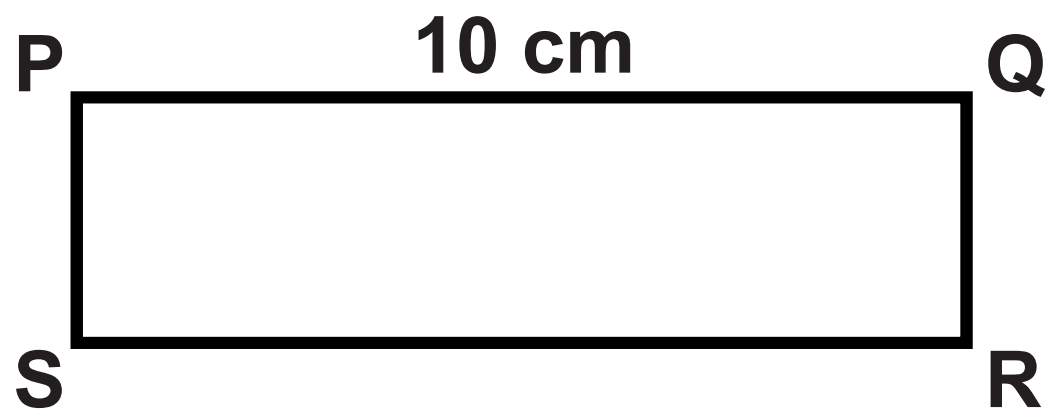
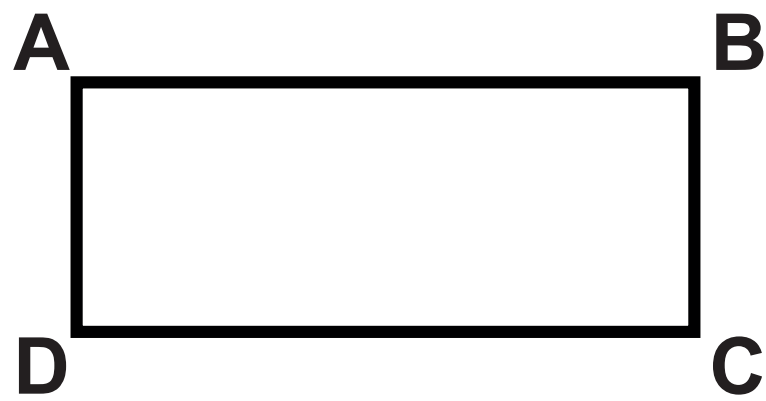
6 pens in each pack of green pens

On Monday,

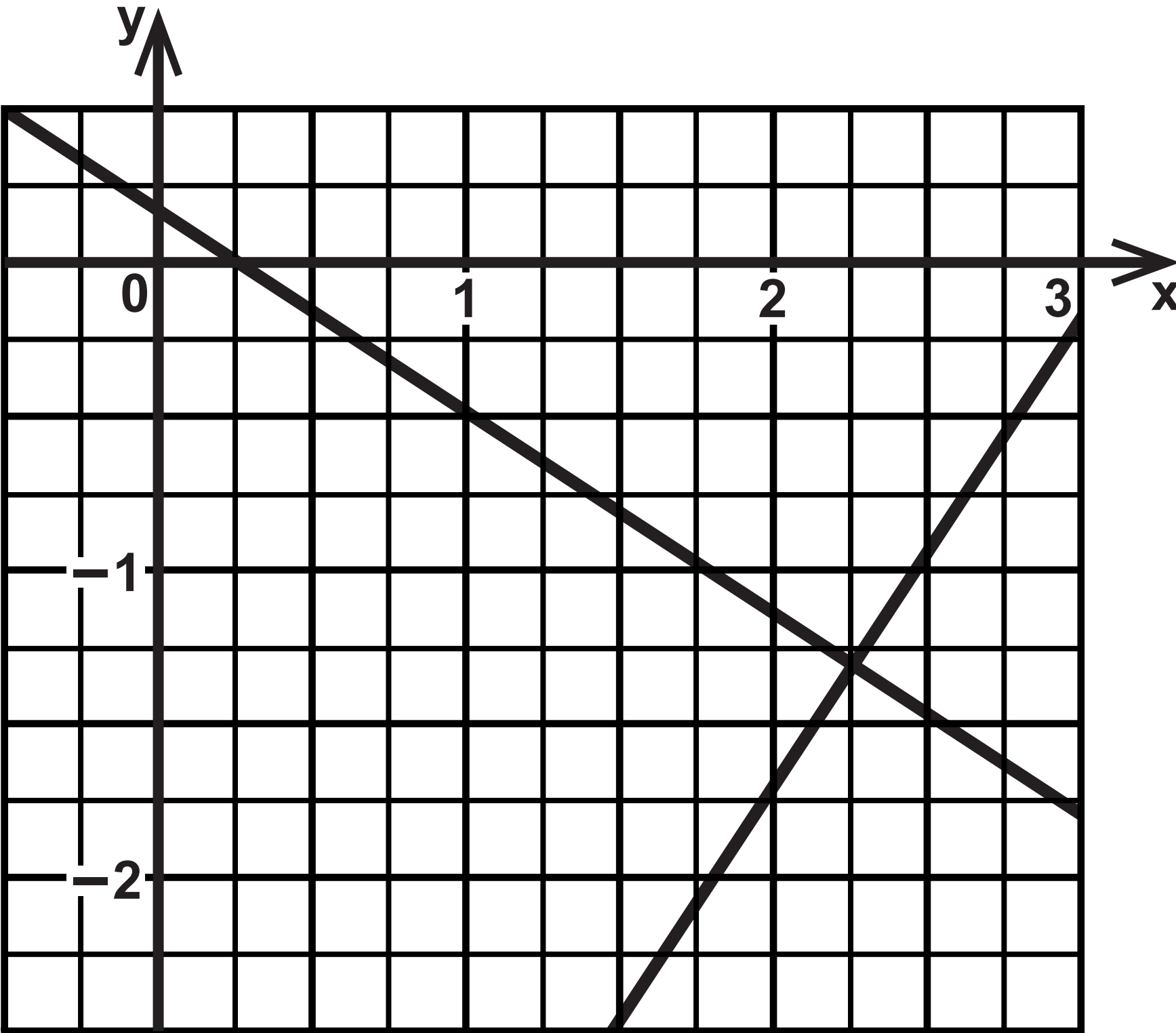
number of packs of black pens sold : number of packs of red pens sold : number of packs  
of green pens sold = 7 : 3 : 4

A total of 212 pens were sold.

Question 7



Question 10



Question 11

41	42	44	48	52	53	53	53	56	57	57	59
60	61	63	64	64	66	67	69	74	77	79	

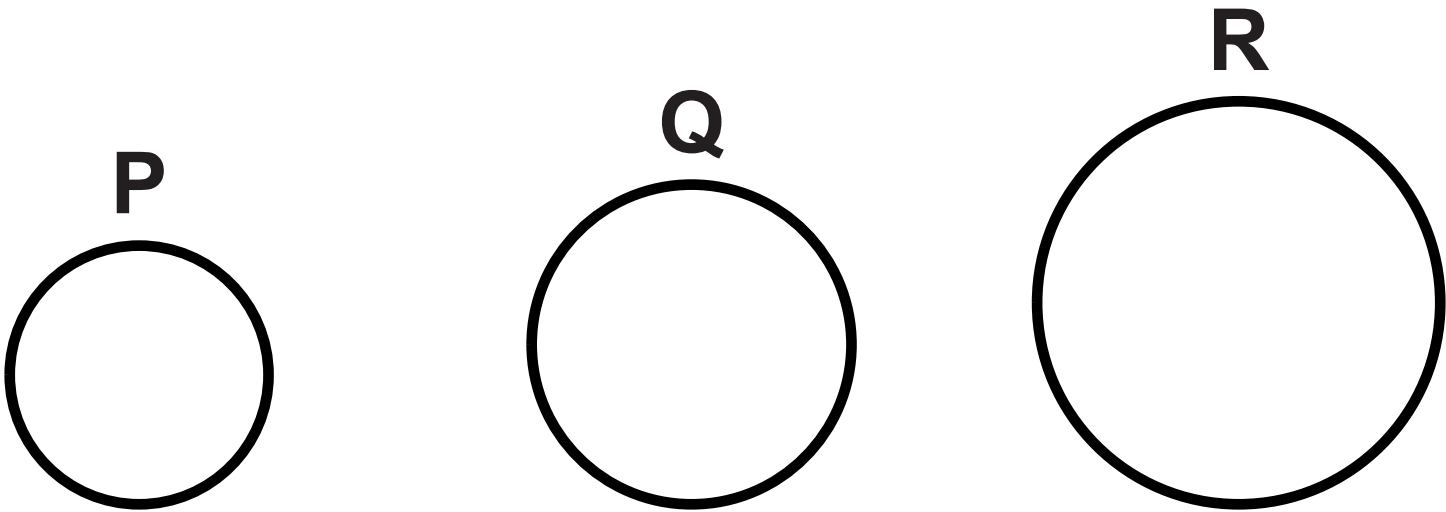
	Coach A	Coach B
Median		70
Lower quartile		54
Upper quartile		73
Least age	41	42
Greatest age	79	85

Question 11

41	42	44	48	52	53	53	53	56	57	57	59
60	61	63	64	64	66	67	69	74	77	79	

	Coach A	Coach B
Median		70
Lower quartile		54
Upper quartile		73
Least age	41	42
Greatest age	79	85

Question 12



Question 15

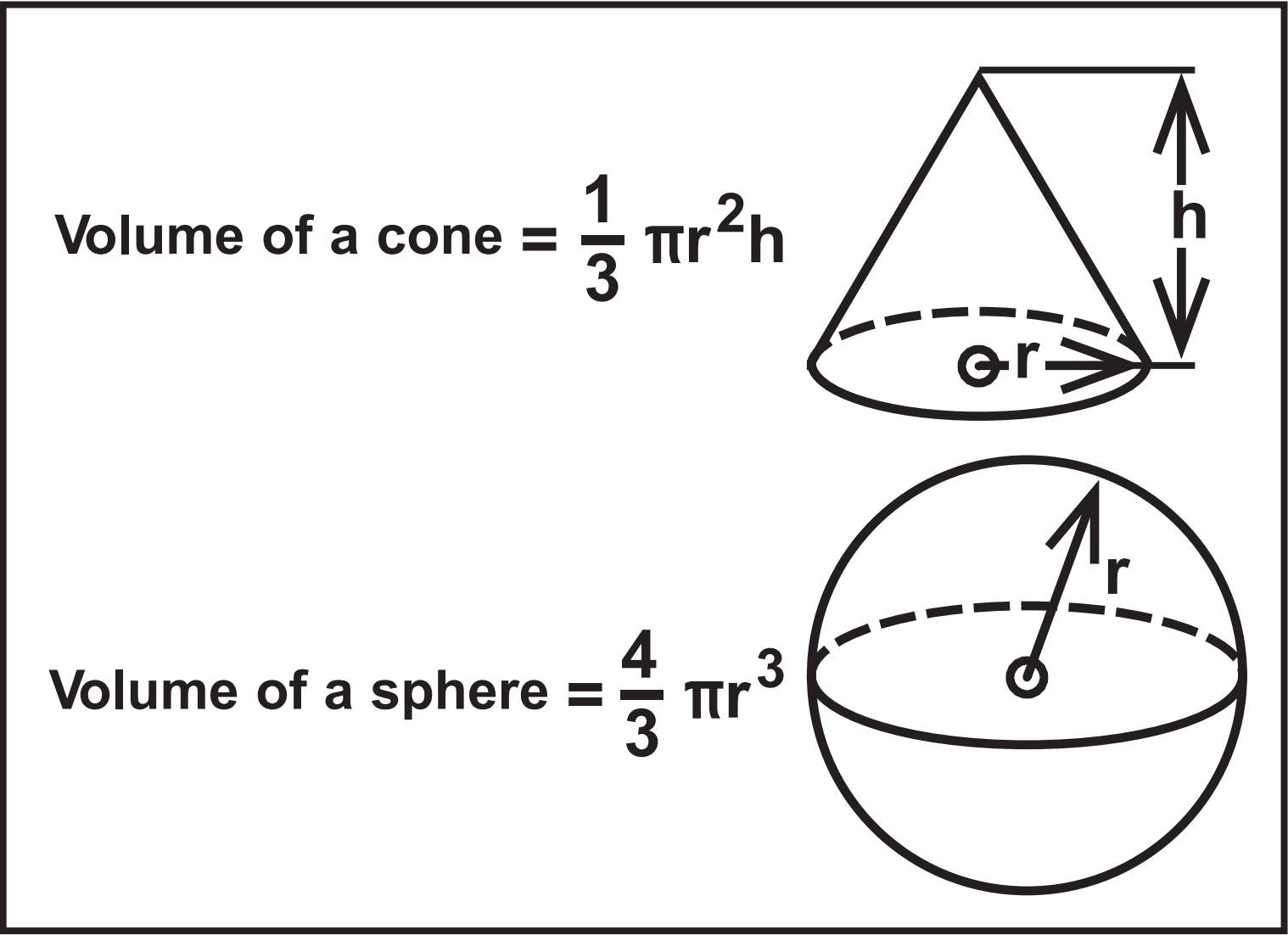
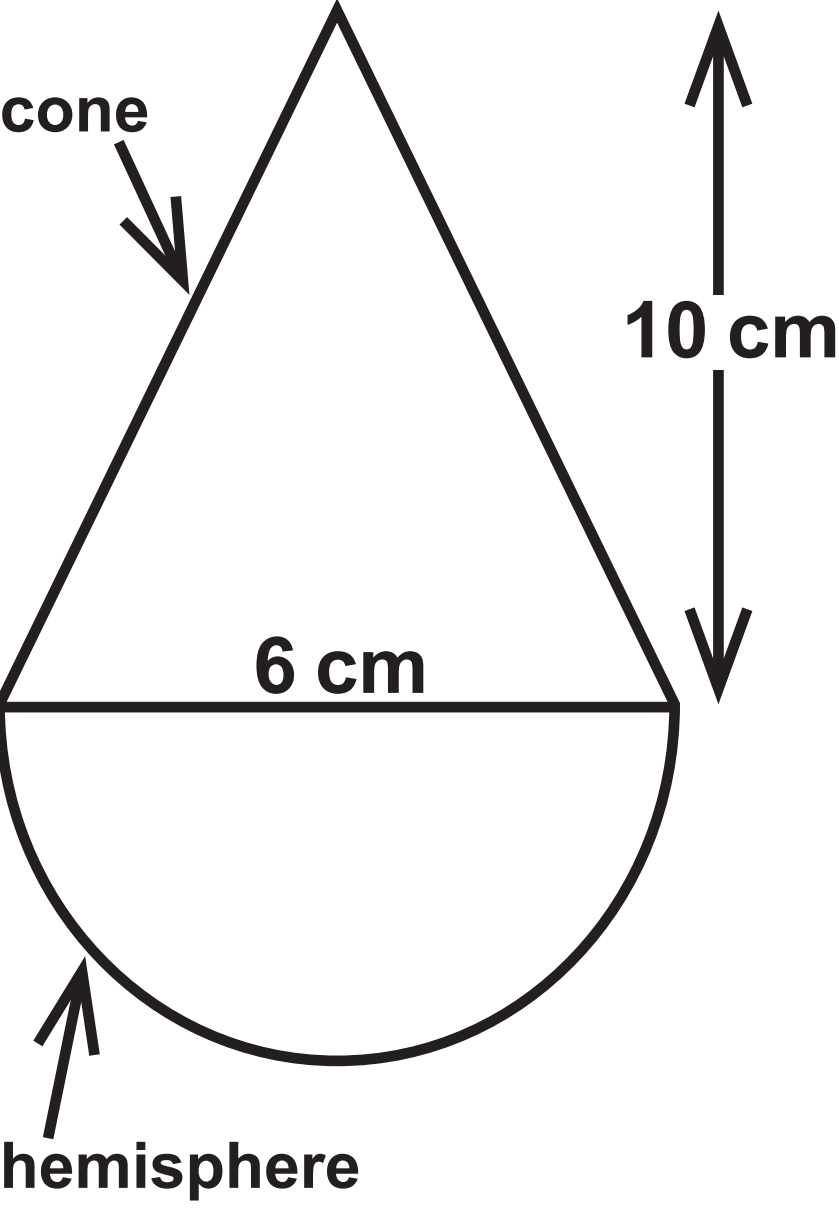
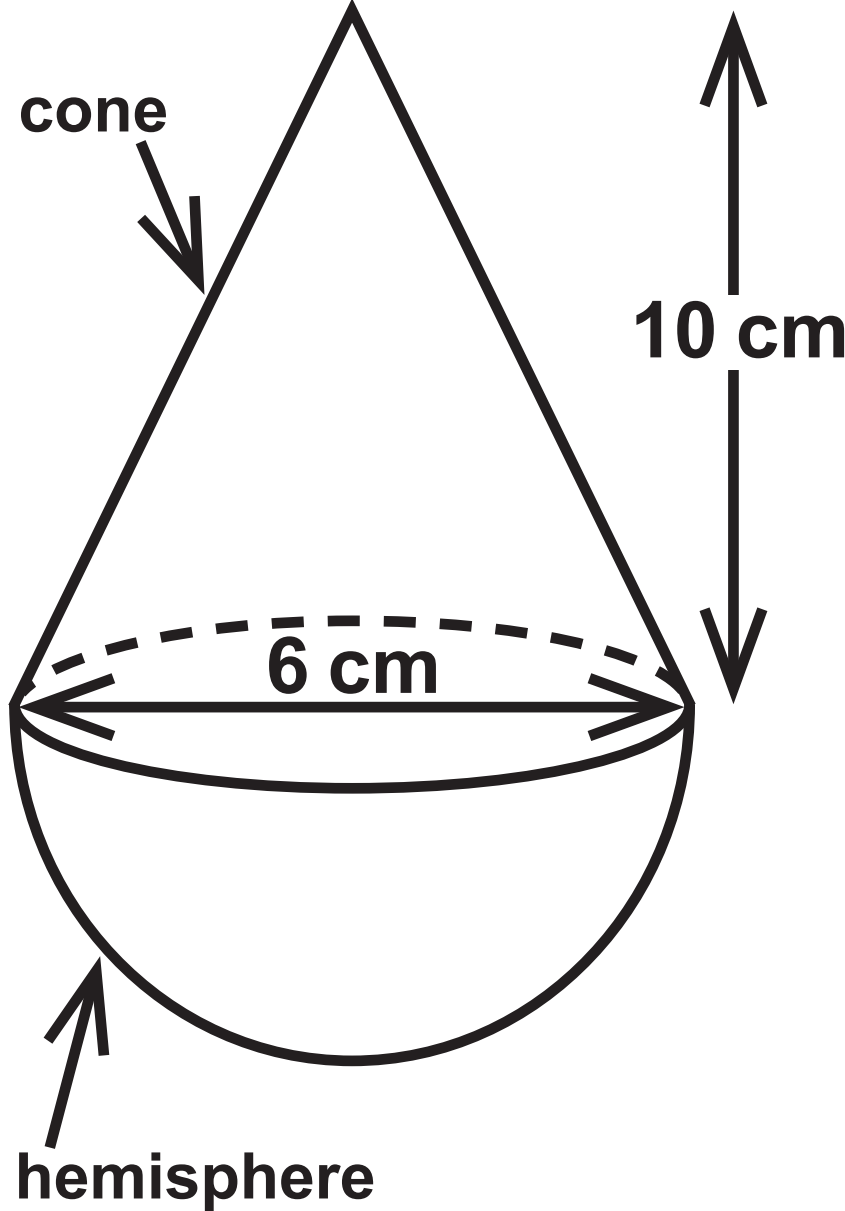


Diagram 1

Diagram 2  
Simplified 2D diagram





## Question 16

