# Mathematics A
**Paper 2H**
**(Calculator)**
**Higher Tier**

**Wednesday 15 January 2020 − Morning**

# Diagram Book

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

| Surname | |
|---|---|
| Other names | |
| Centre Number | |
| Candidate Number | |

Pearson

## INSTRUCTIONS

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

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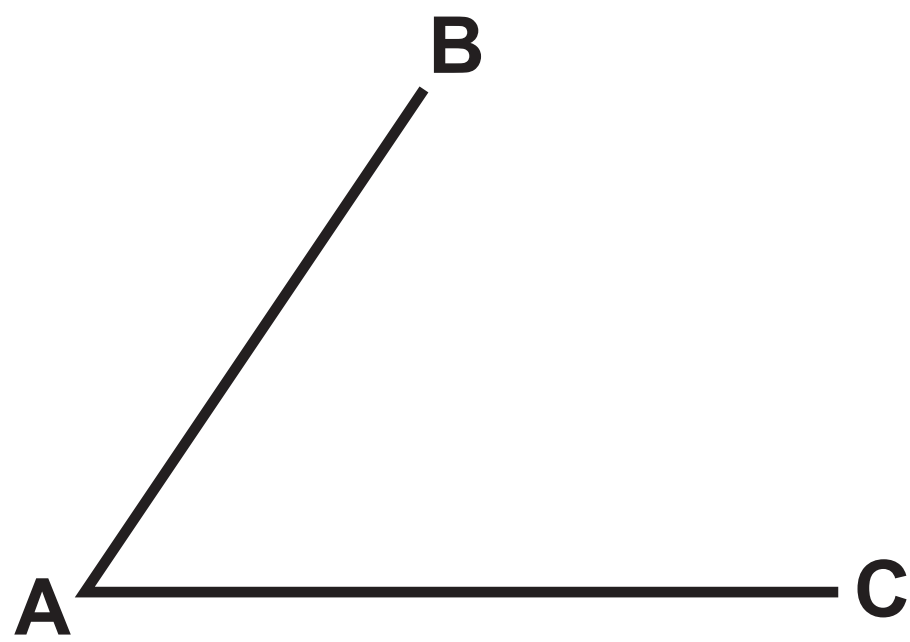**THIS DIAGRAM BOOK MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.**

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**Contents**

**Page**

# Question 4



30°

(4y + 10)°

(y + 20)°

**Question 5**

B

A C

# Question 5

**Question 6**

| Colour | Probability |
|--------|-------------|
| red    |             |
| blue   | 0·24        |
| green  |             |
| yellow | 0·31        |

**Question 8**

| Year | Cost of insurance (euros) |
|------|---------------------------|
| 2016 | 500 |
| 2017 | 545 |
| 2018 | 592 |

**Question 11**



B

A - - - - - - - C

17 cm        15 cm

D
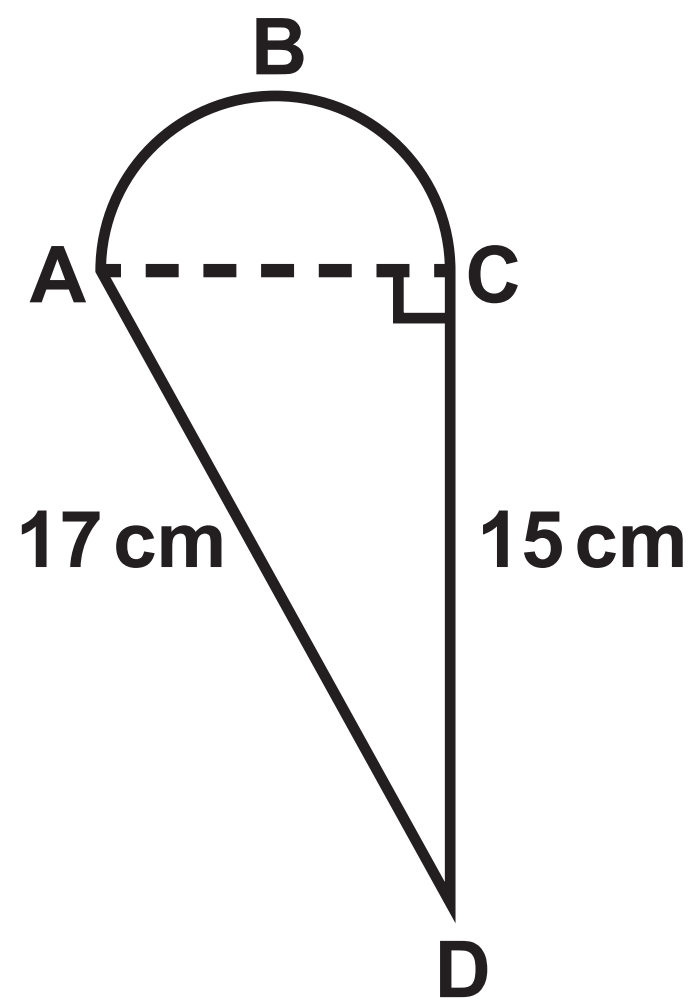
**Dane Oil**

**(4·2 ✖ 10$^5$)** litres for **2 500 000** Krone

**Arctic Oil**

**(8·6 ✖ 10$^5$)** litres for **770 000** Dollars

# Question 13
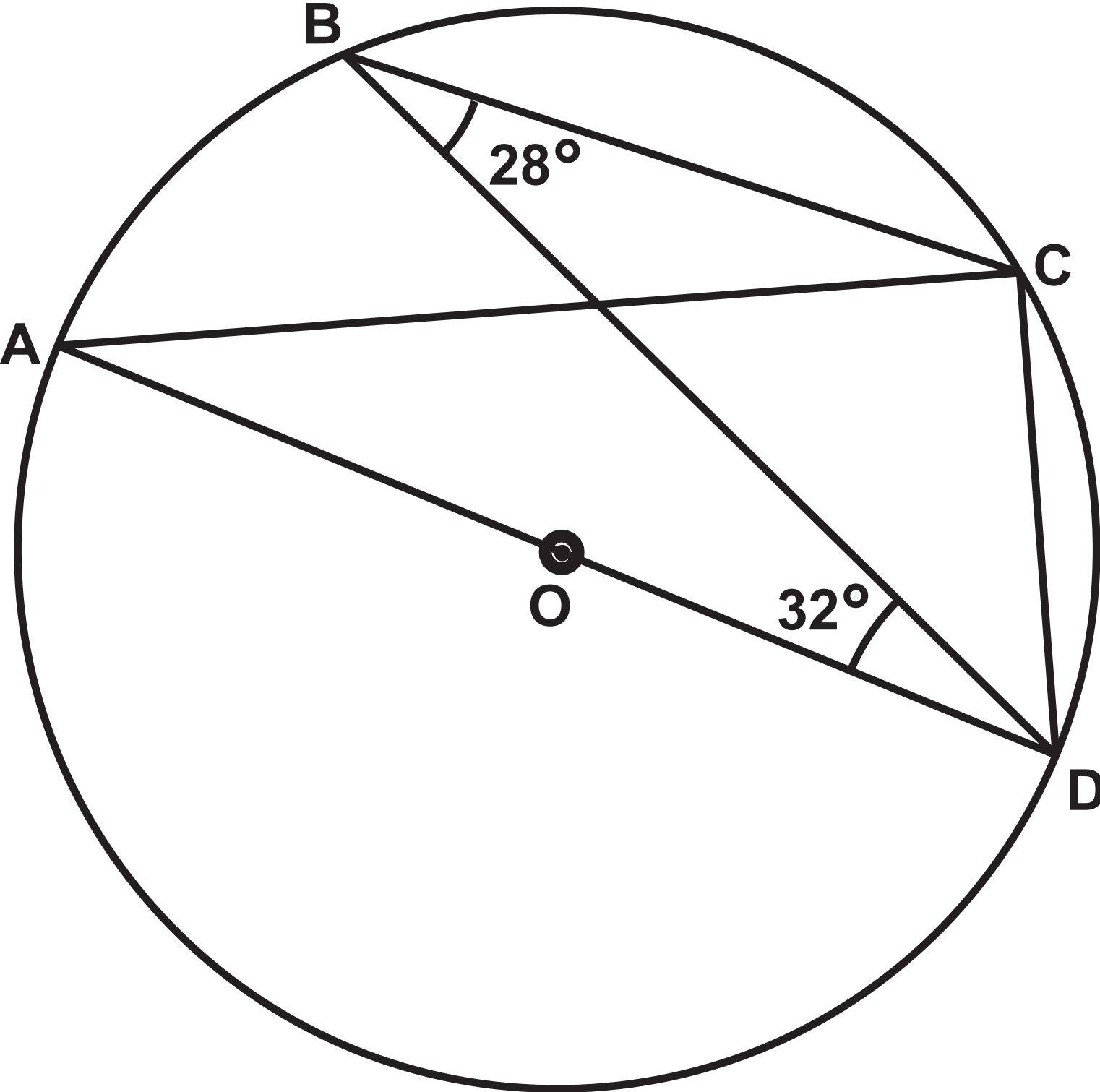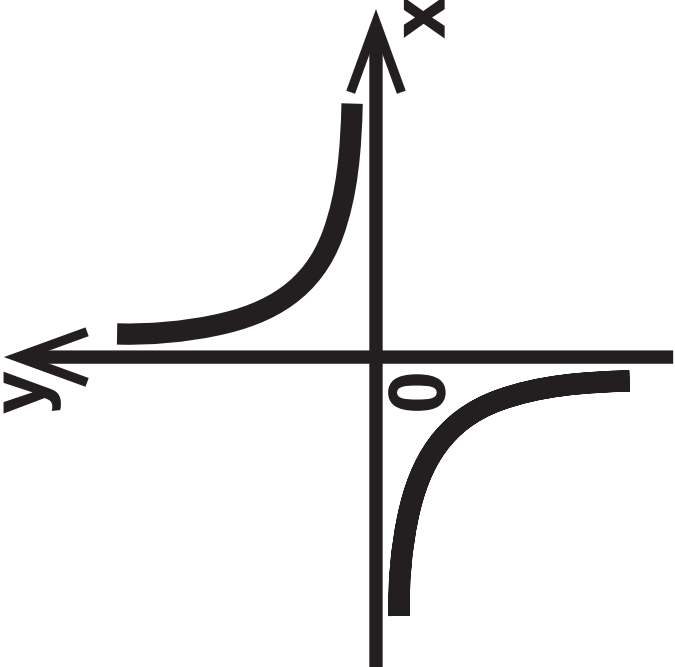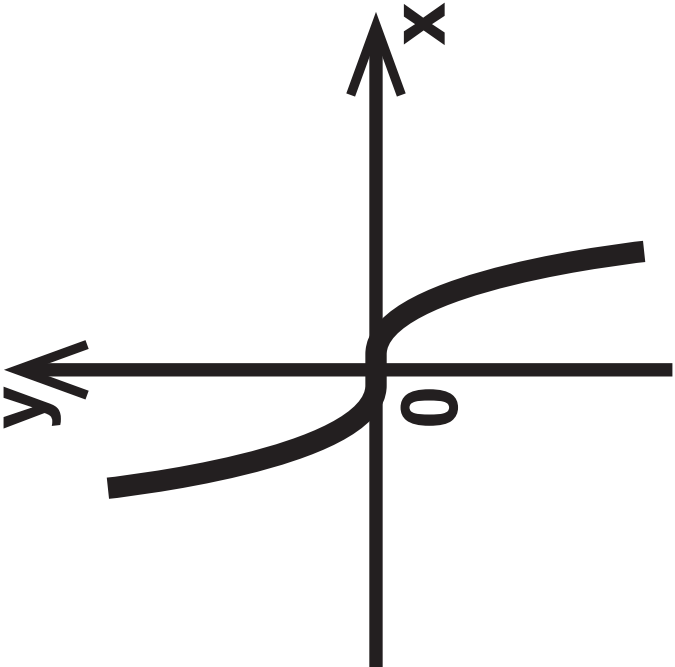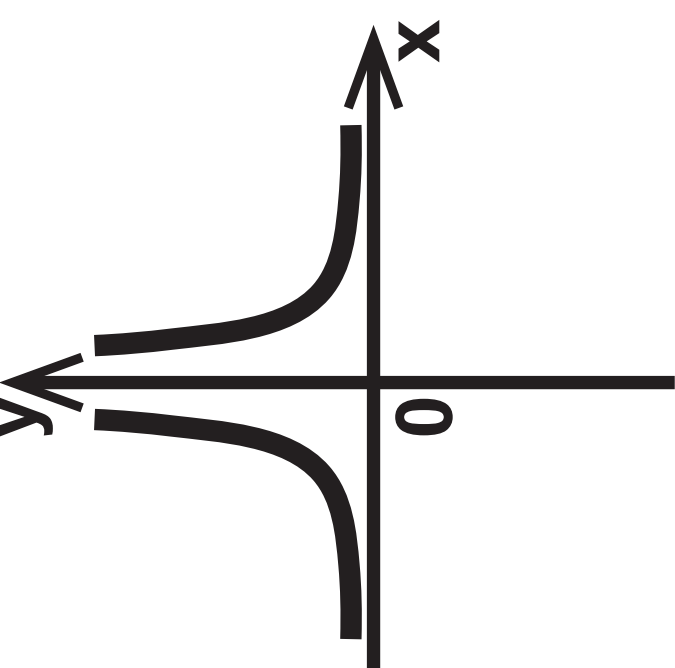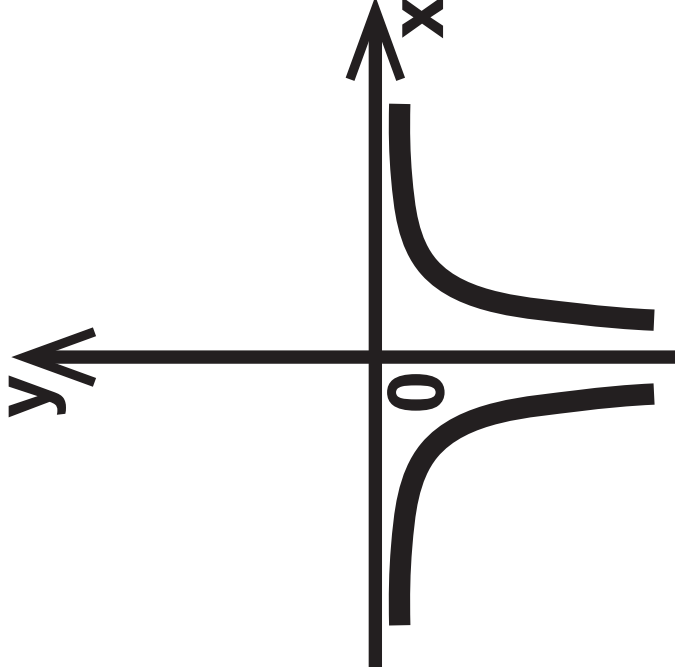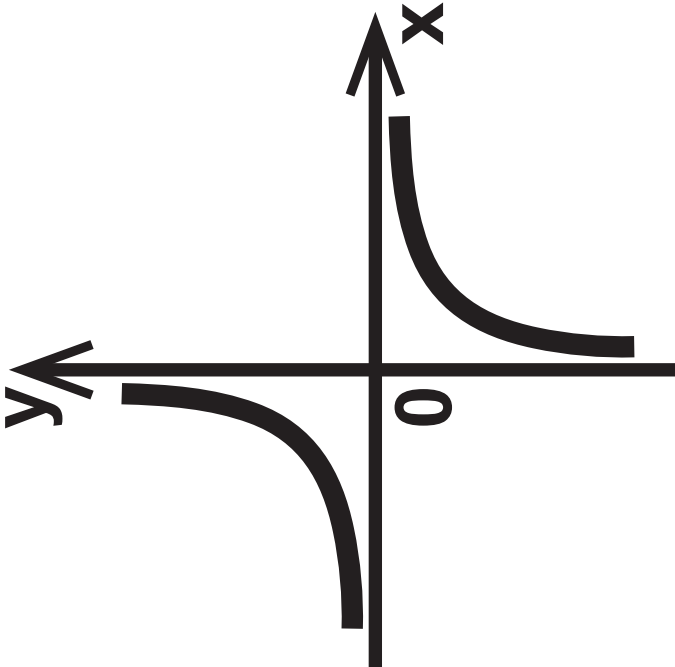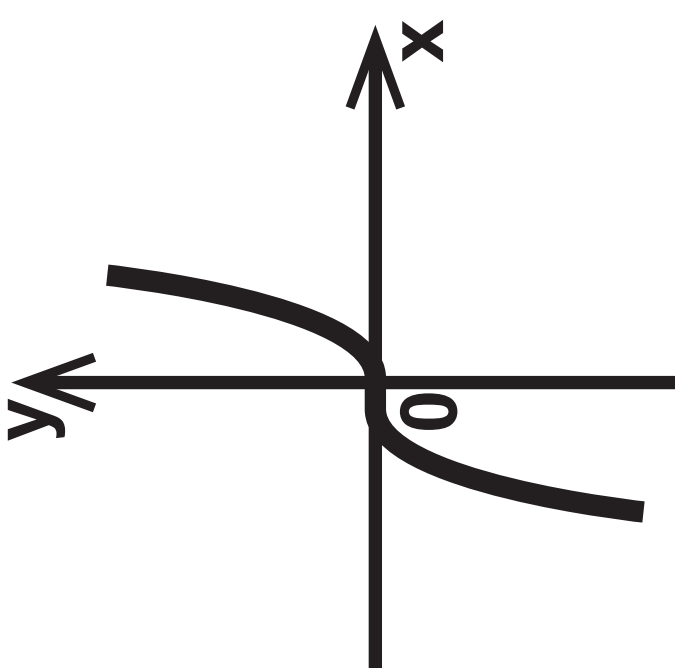
# Question 14

# Question 14

```
                                                              ____ large
                                                         large
                                    ____                       ____ small

                  large

        ____                                                   ____ large
                                                         small
                  small                                        ____ small
```
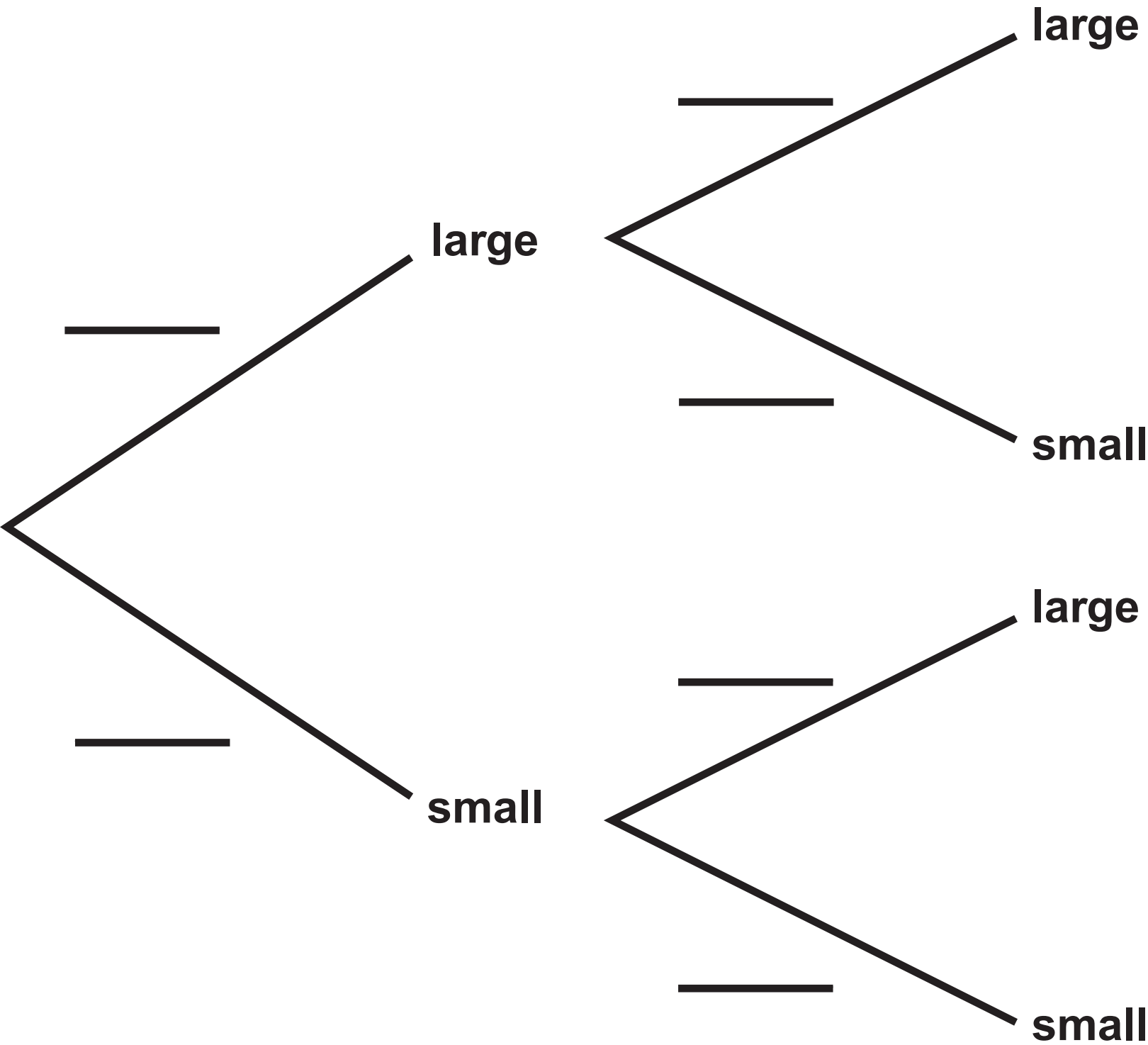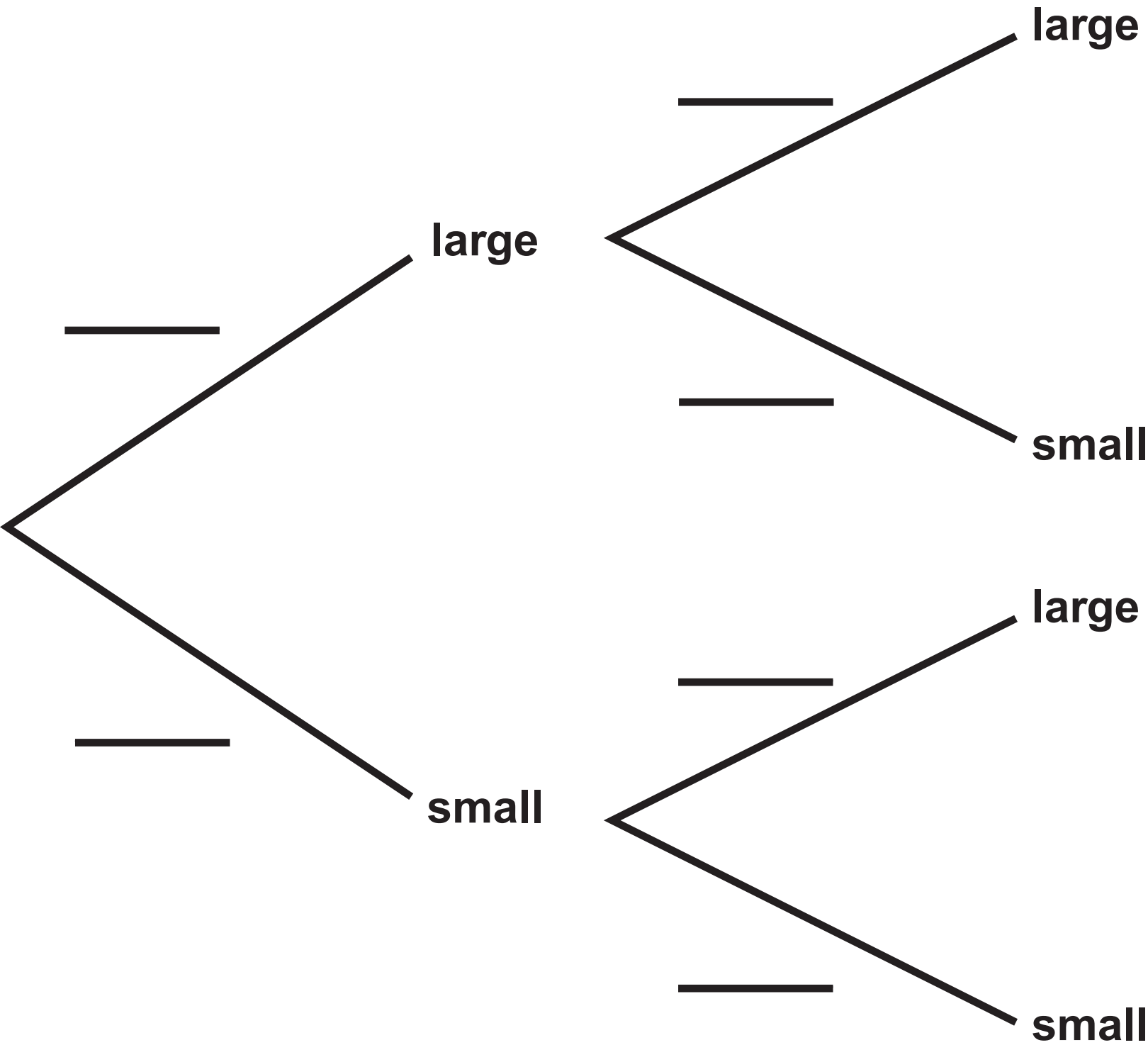
**Question 15**

| Graph A | Graph B | Graph C |
|---------|---------|---------|

| Graph D | Graph E | Graph F |
|---------|---------|---------|

# Question 18



Frequency density

Time (minutes)
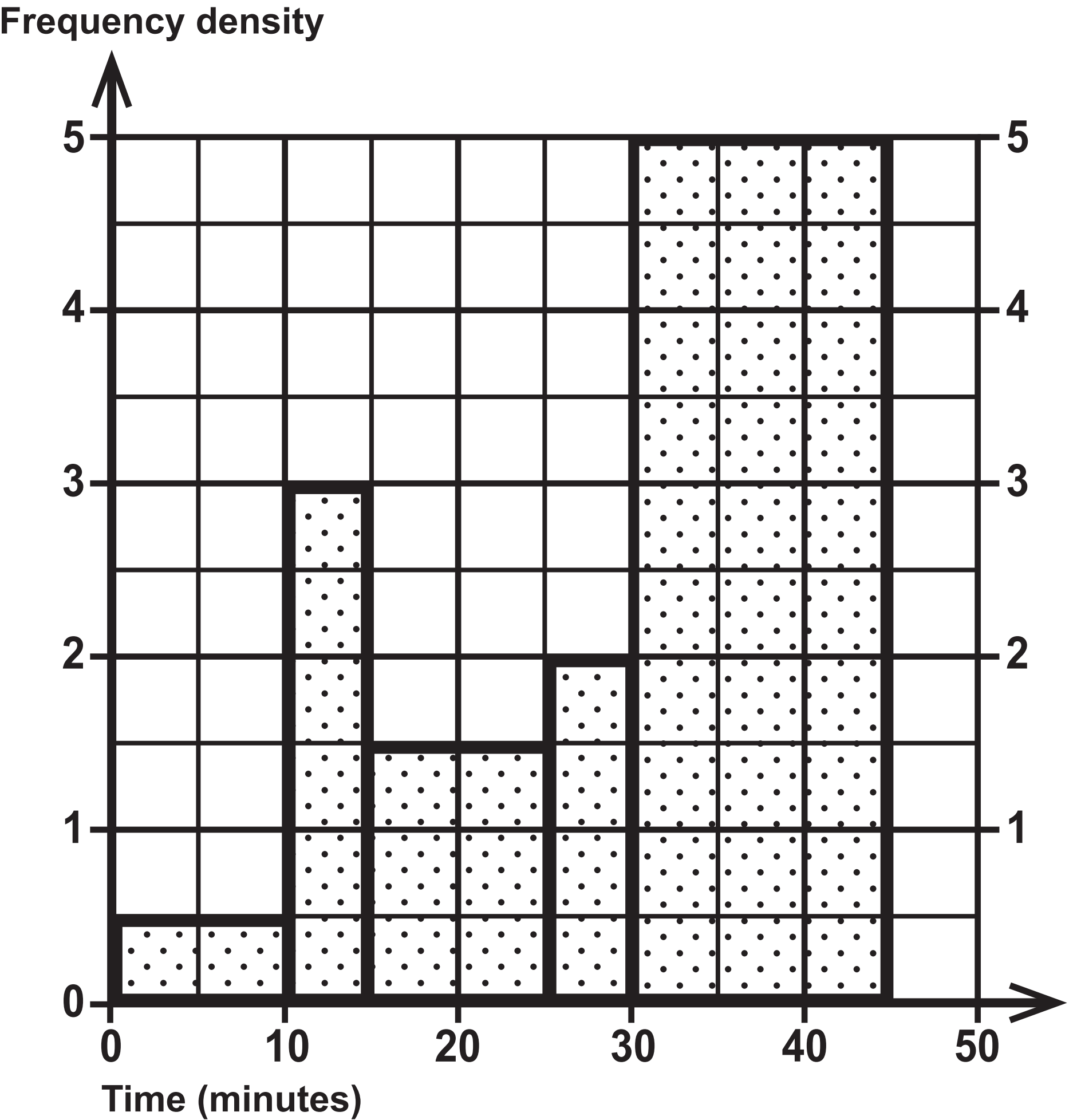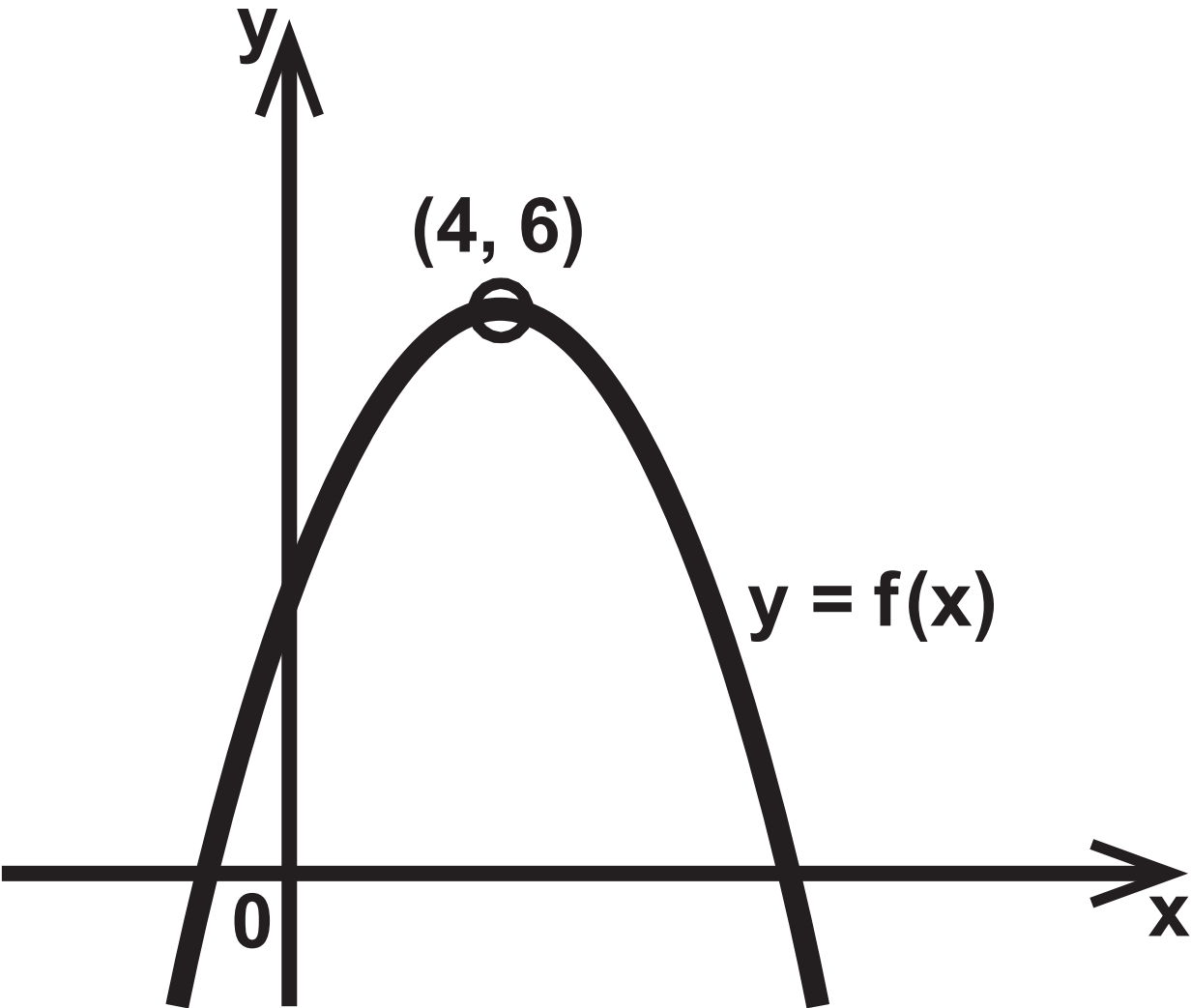
**Question 21**
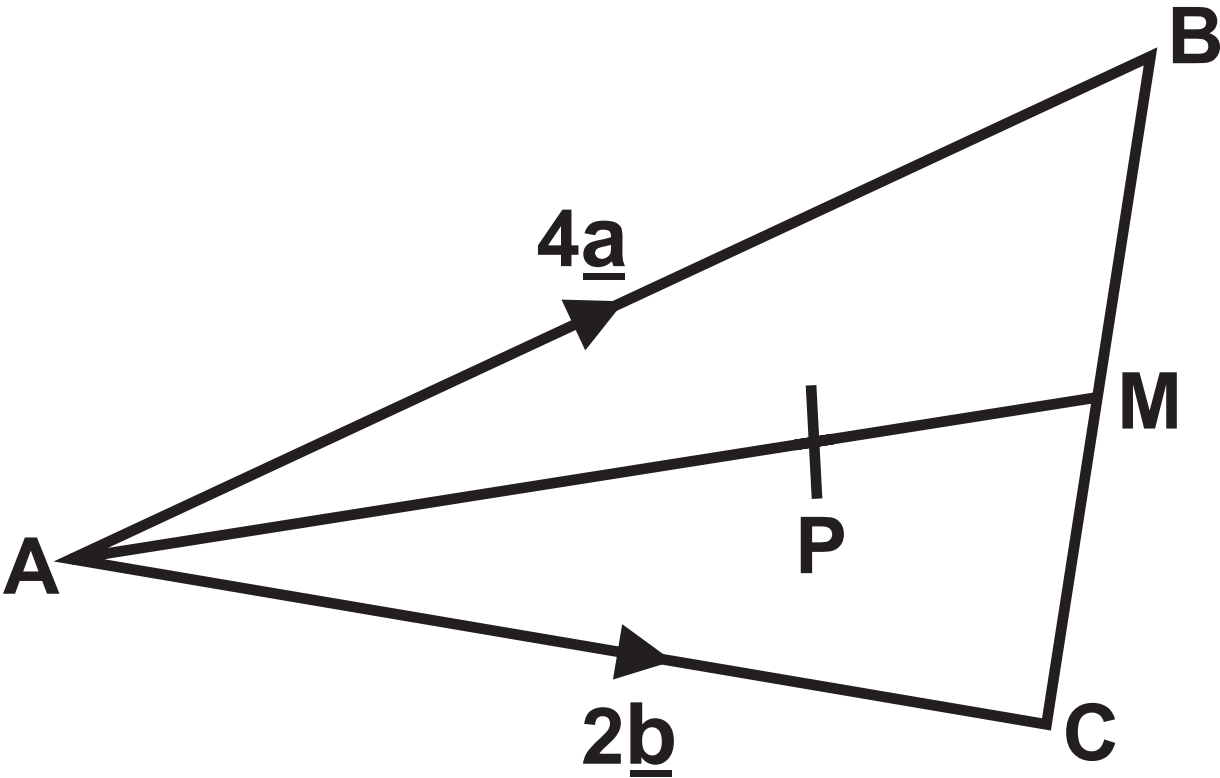
# Question 23

# Question 26

## Diagram 1



## Diagram 2