

Paper Reference 4MA1/2F
Pearson Edexcel
International GCSE

Mathematics A
Paper 2F
(Calculator)
Foundation 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 | | | | | |

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 3 (NOT accurately drawn) |
| 5 | Question 4 |
| 6 | Question 4 (Spare copy) |
| 7 | Question 6(a) (NOT accurately drawn) |
| 8 | Question 6(b) |
| 9 | Question 6(c) |
| 10 | Question 7 |
| 11 | Question 7 (Spare copy) |
| 12 | Question 8(b) |
| 13 | Question 8(b) (Spare copy) |
| 14 | Question 9 |
| 15 | Question 11(b) |
| 16 | Question 14 |
| 17 | Question 16 |
| 18 | Question 16 (Spare copy) |
| 19 | Question 20 (NOT accurately drawn) |
| 20 | Question 21 |
| 21 | Question 21 (Spare copy) |
| 22 | Question 22 |
| 23 | Question 24 |
| 24 | Question 27 (NOT accurately drawn) |

Question 3

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |

Question 4

Key:

represents _____ rickshaws

| | |
|----------|--|
| January | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> |
| February | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> |
| March | <div><div><div></div><div></div></div><div><div><div></div><div></div></div><div></div></div></div> |
| April | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div></div></div> |
| May | |

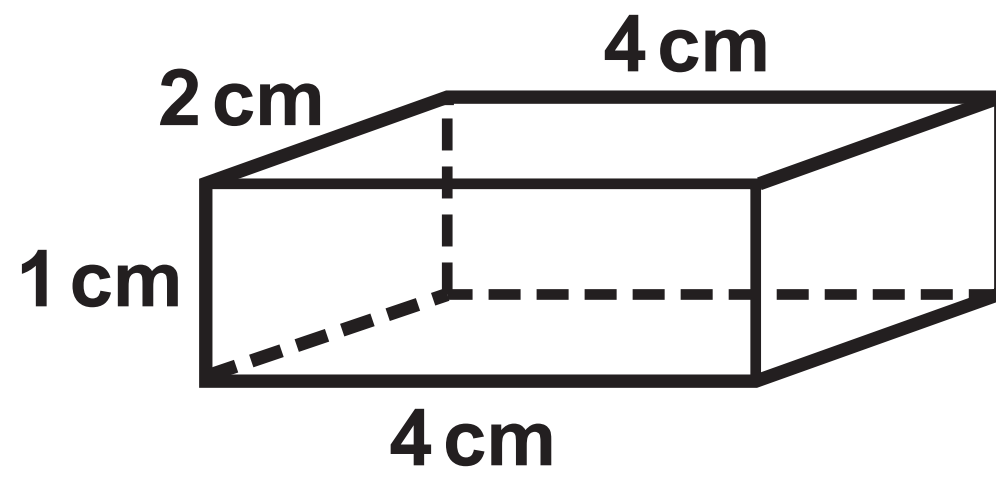
Question 4

Key:

represents _____ rickshaws

| | |
|----------|--|
| January | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> |
| February | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div> |
| March | <div><div><div></div><div></div></div><div><div><div></div><div></div></div><div></div></div></div> |
| April | <div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div></div></div> |
| May | |

Question 6(a)

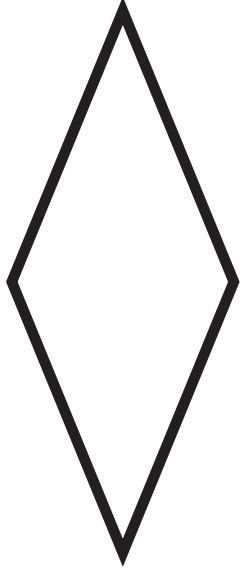


Question 6(b)

A  B

Question 6(c)

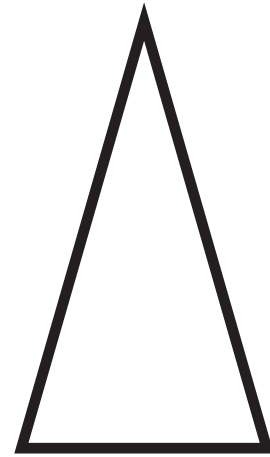
shape A



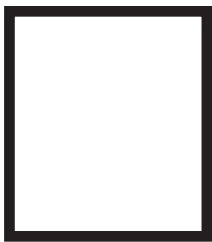
shape B



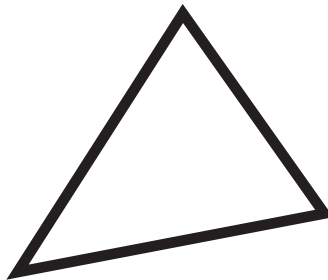
shape C



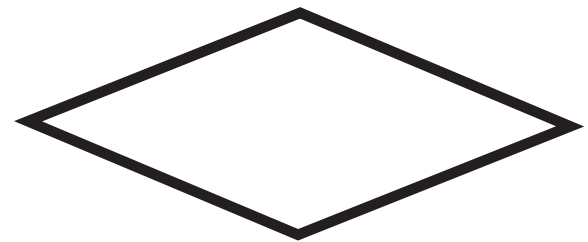
shape D



shape E

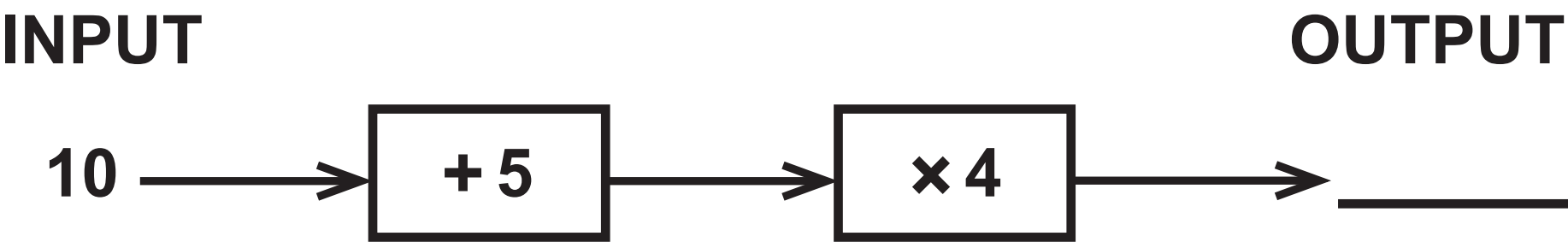


shape F

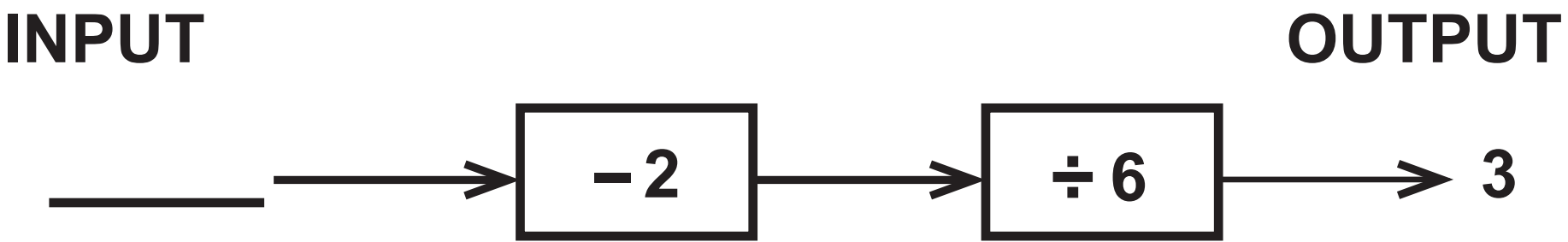


Question 7

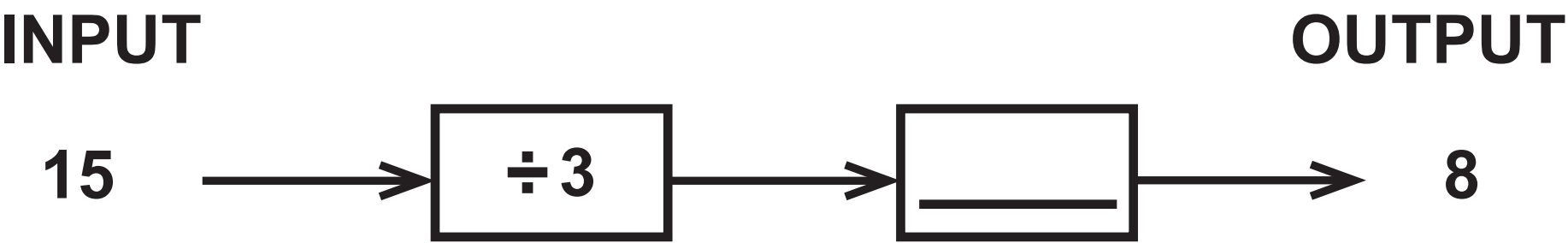
Question 7(a)



Question 7(b)

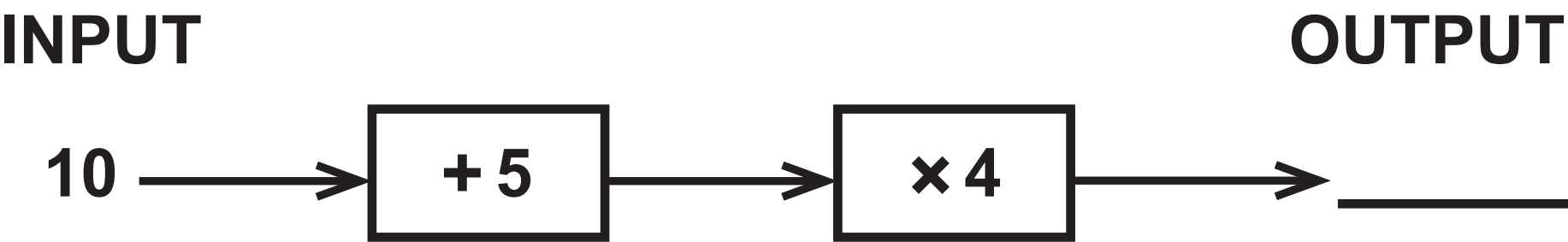


Question 7(c)

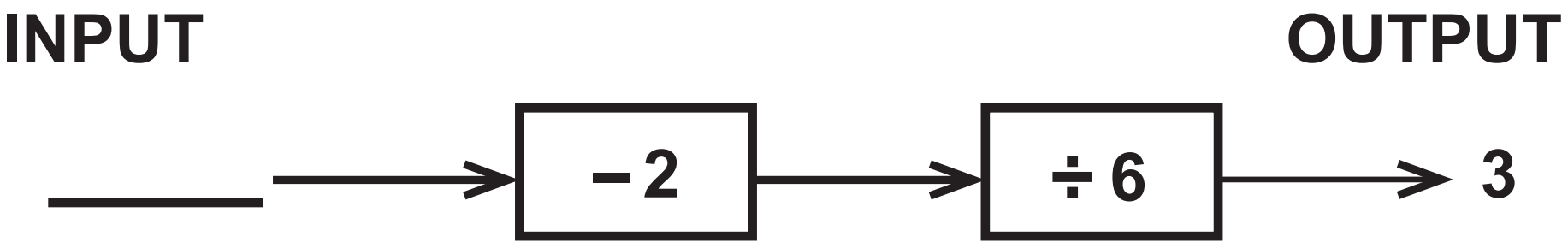


Question 7

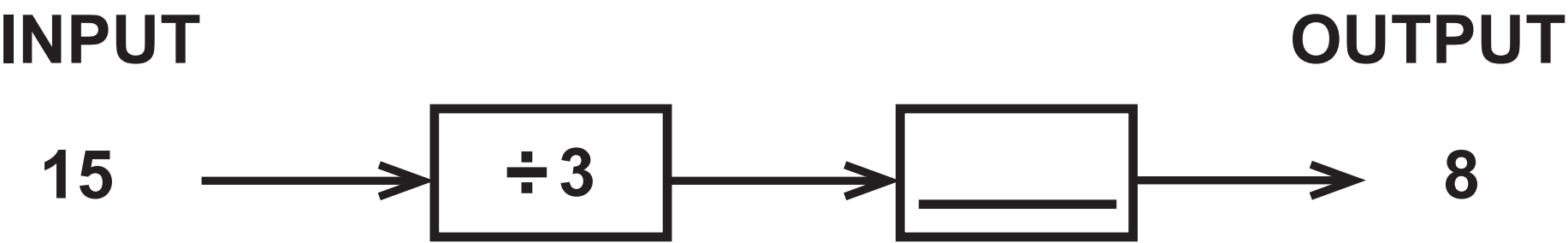
Question 7(a)



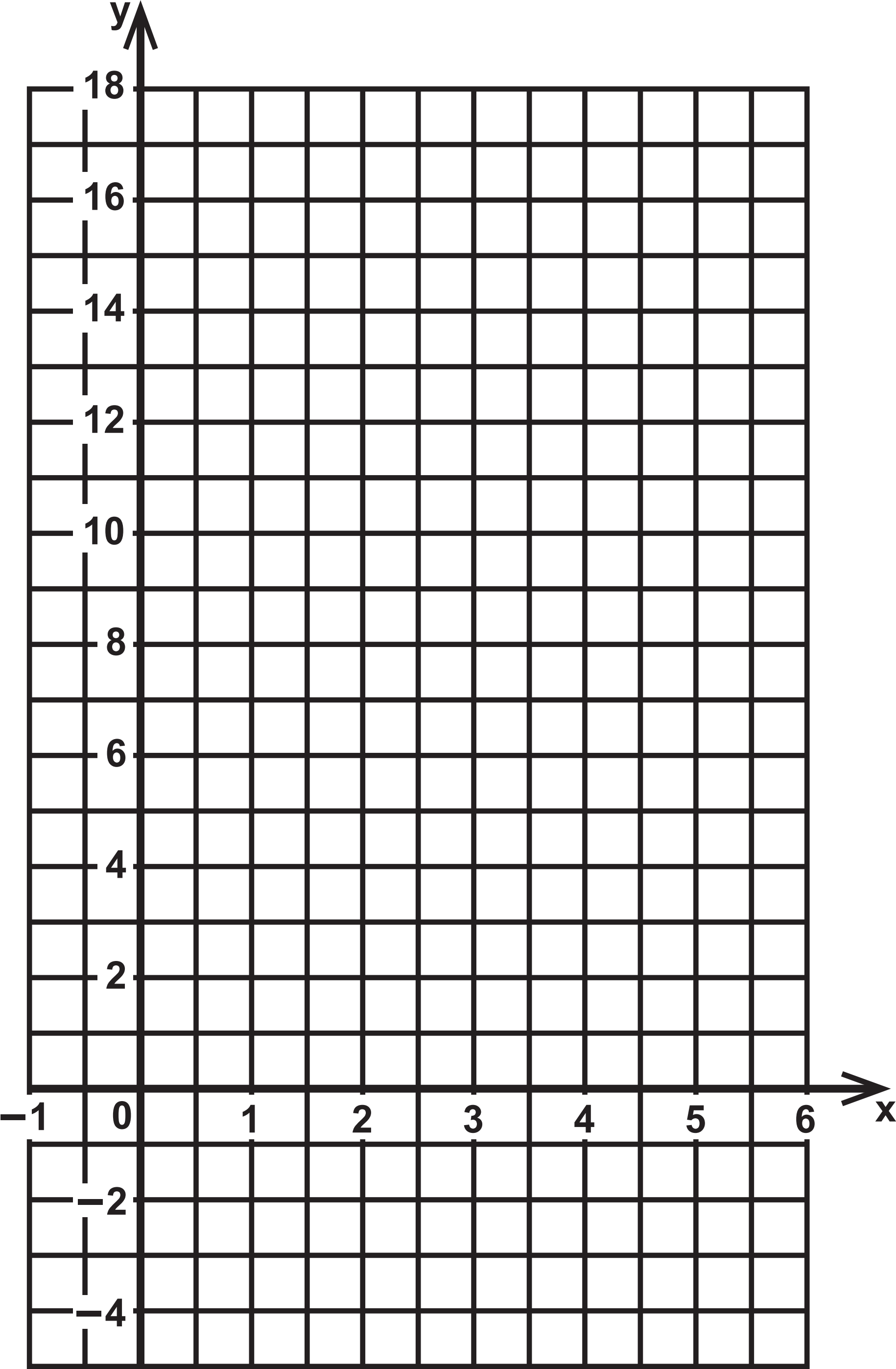
Question 7(b)



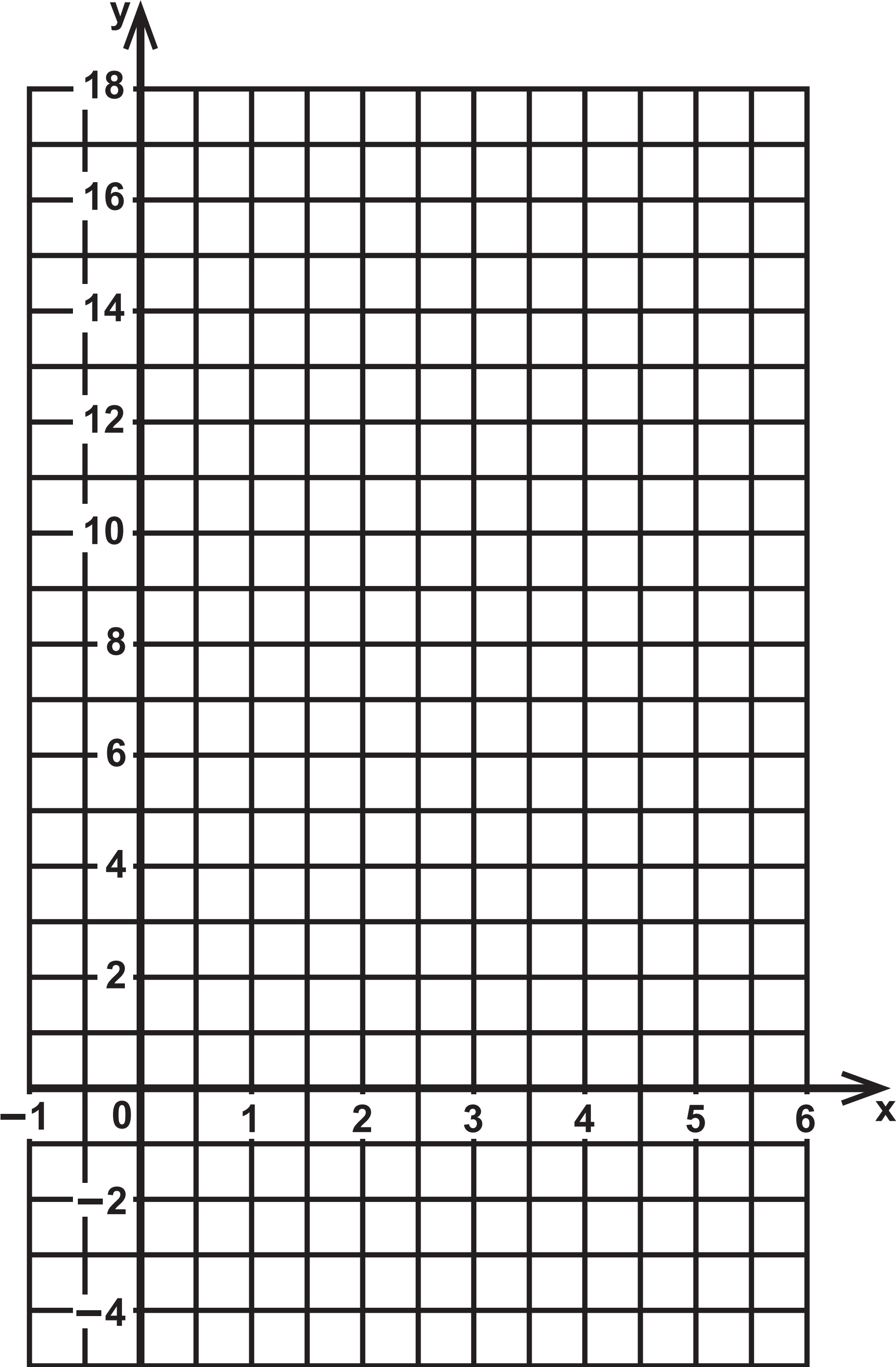
Question 7(c)



Question 8(b)



Question 8(b)



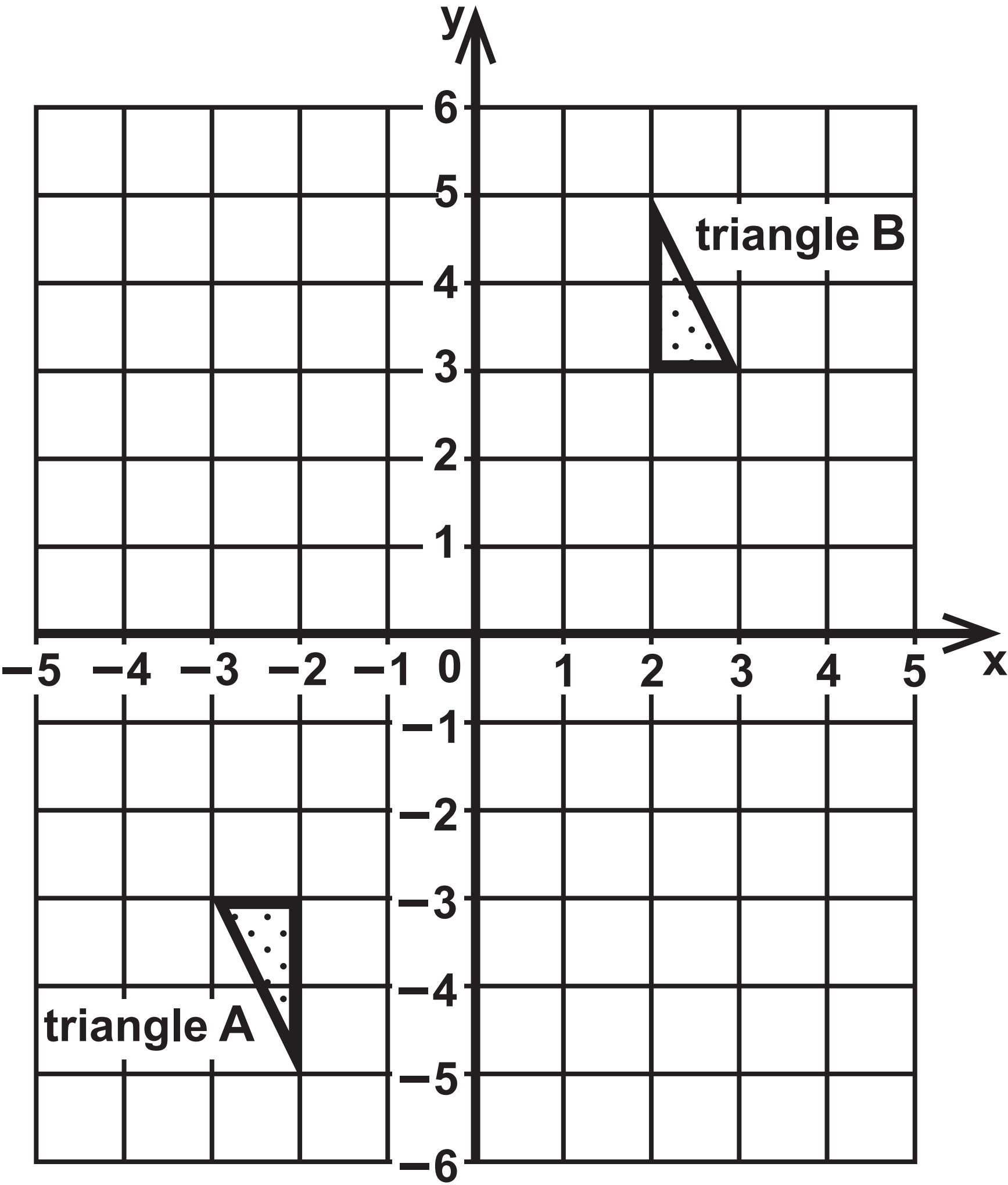
Question 9

| Number of packets | Frequency |
|-------------------|-----------|
| 1 | 14 |
| 2 | 17 |
| 3 | 15 |
| 4 | 12 |
| 5 | 9 |

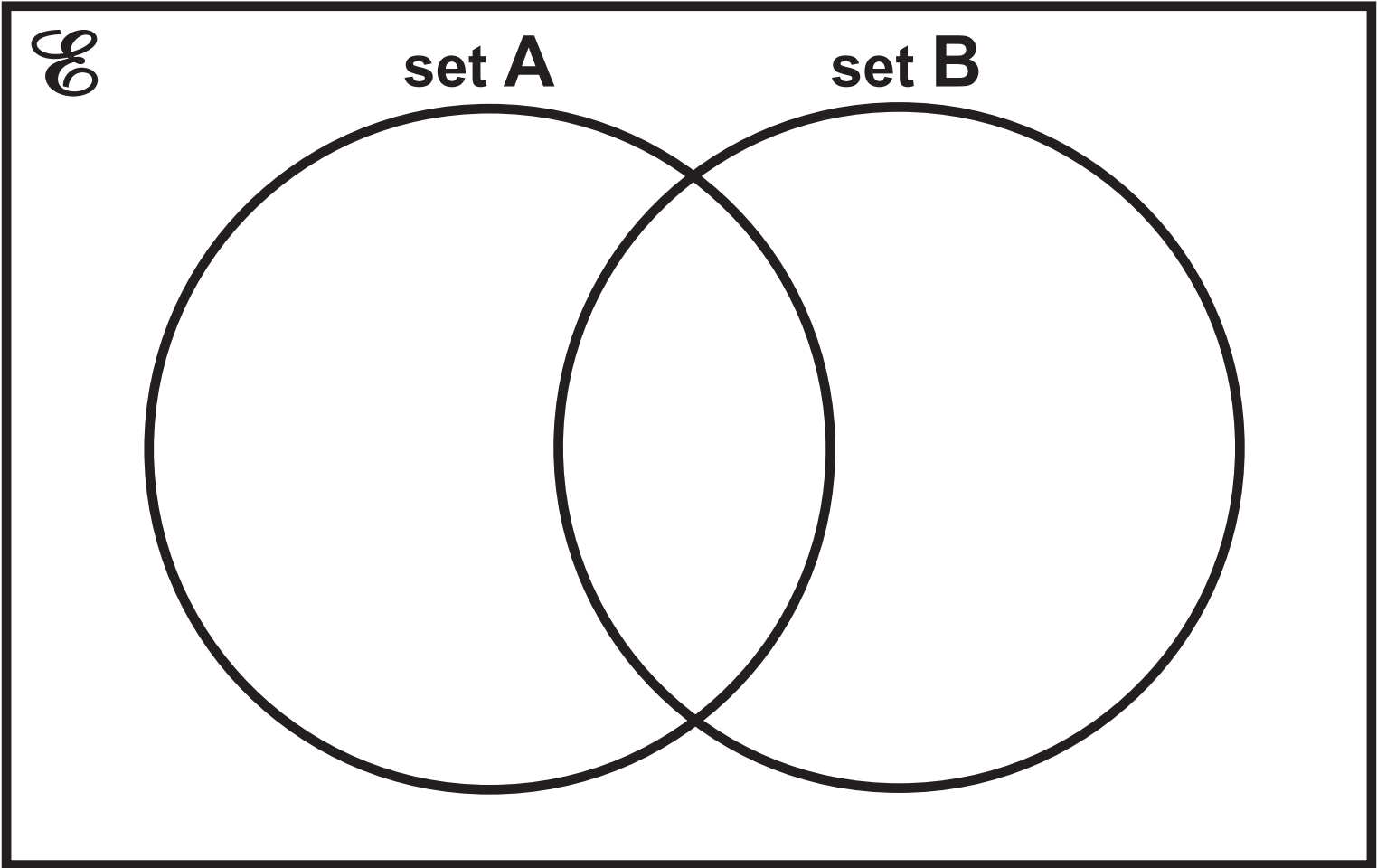
Question 11(b)

| Element | Boiling point (°C) | Freezing point (°C) |
|-----------------|-------------------------------|--------------------------------|
| Chlorine | −35 | −101 |
| Mercury | 357 | −39 |
| Neon | −246 | −249 |
| Oxygen | −183 | −218 |

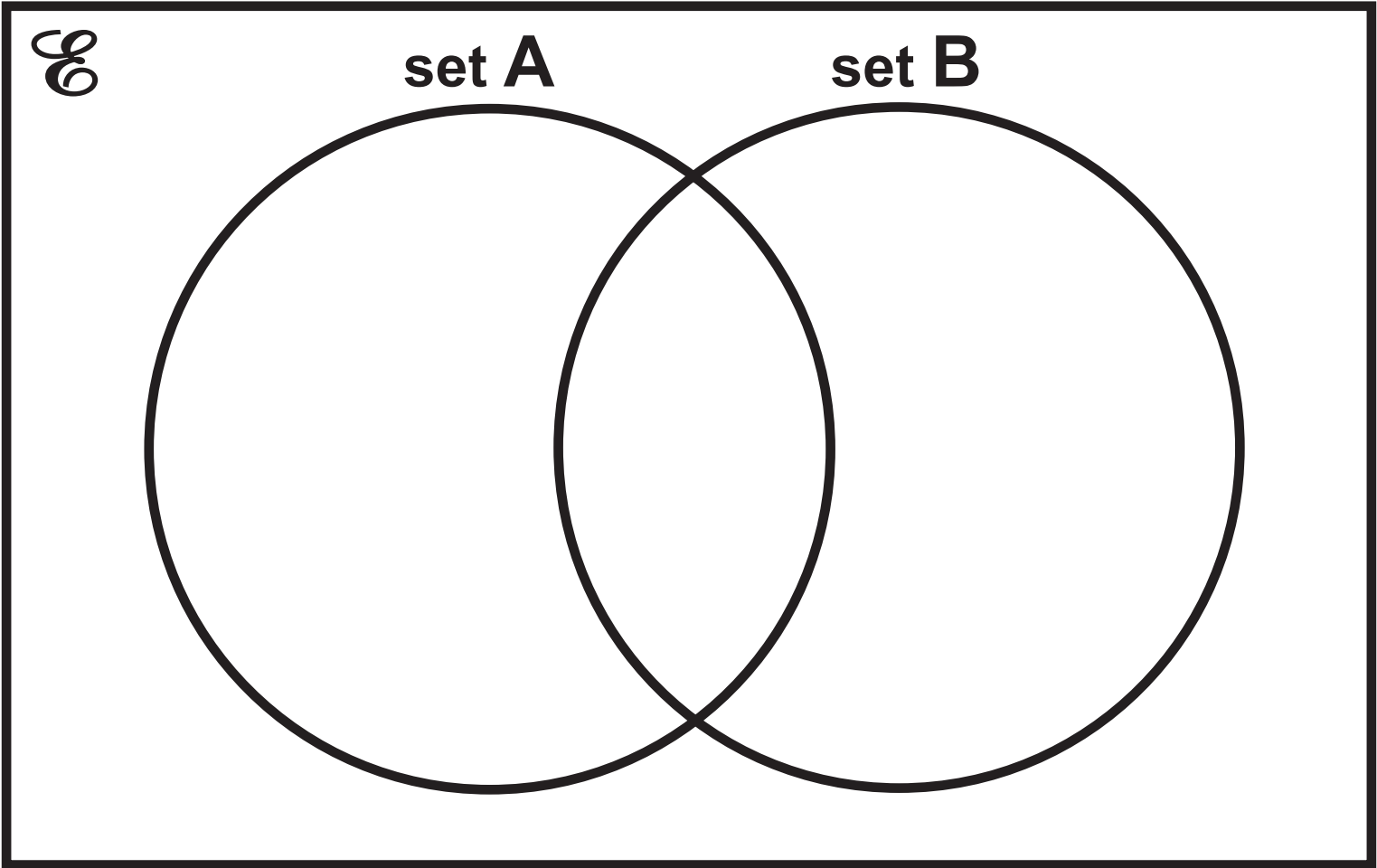
Question 14



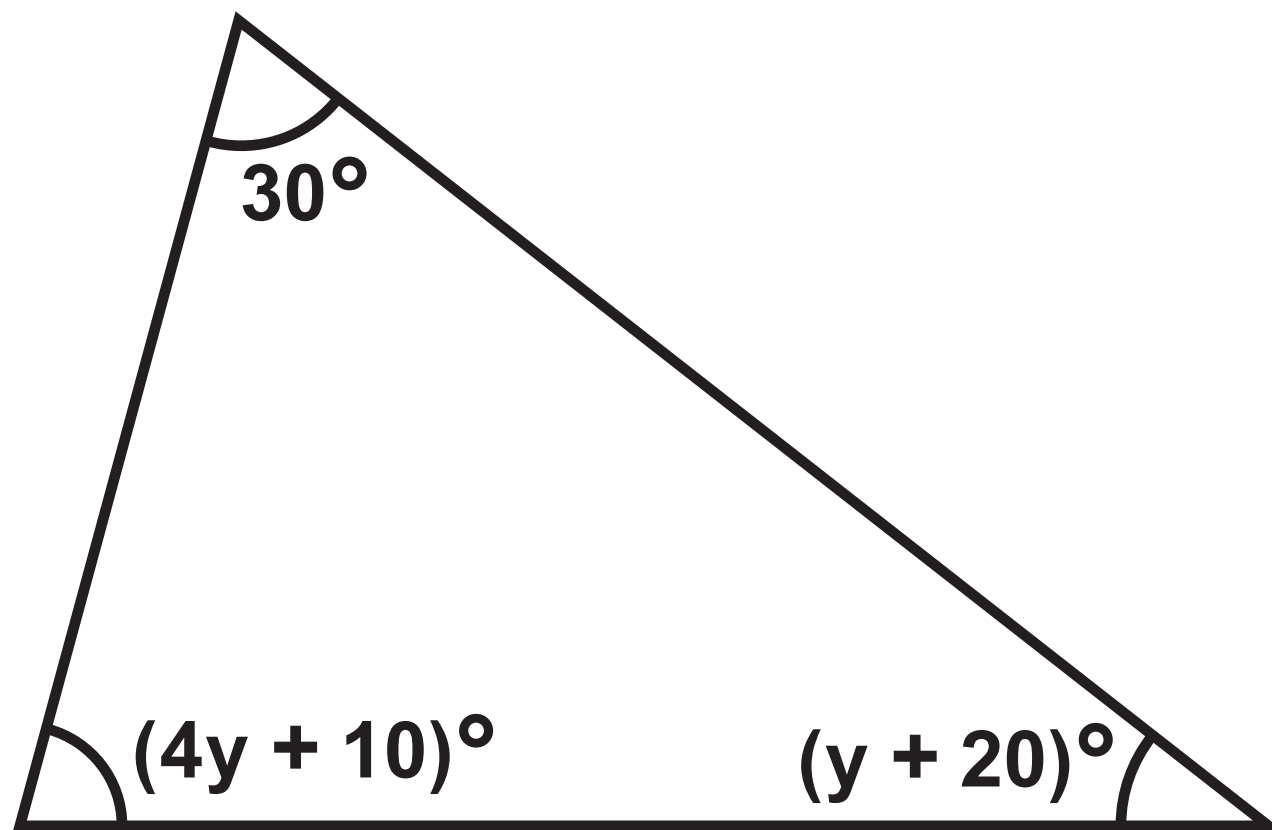
Question 16



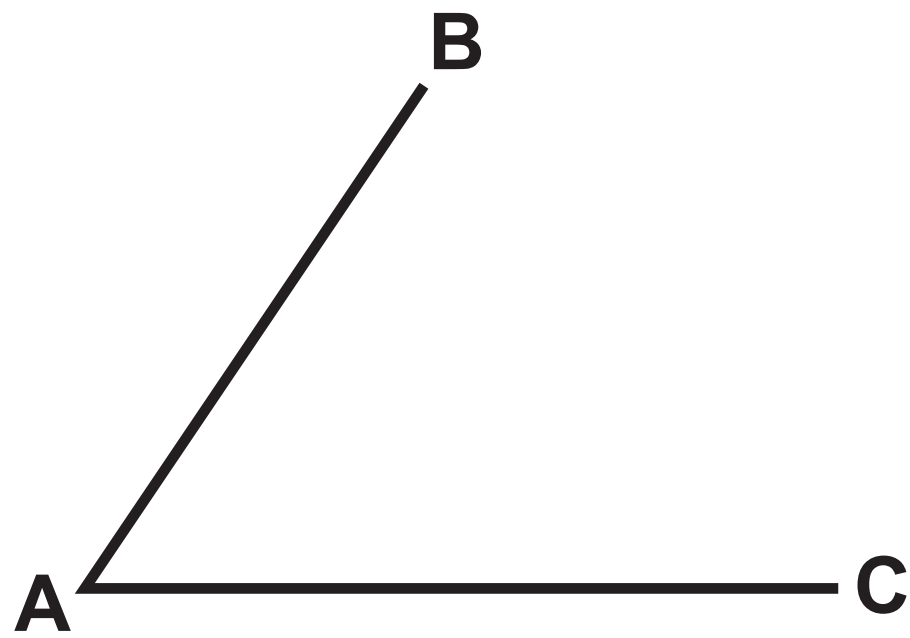
Question 16



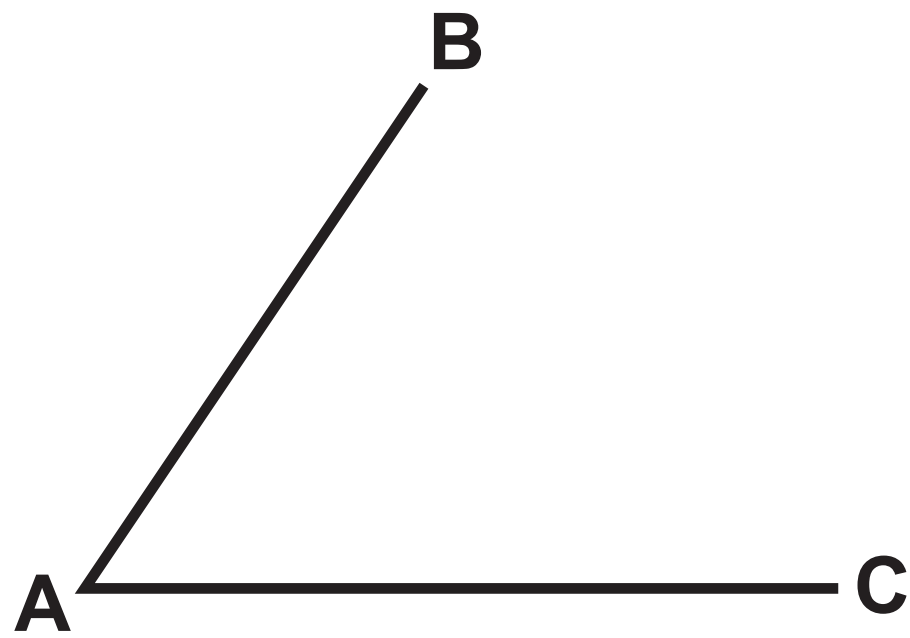
Question 20



Question 21



Question 21



Question 22

| Colour | Probability |
|--------|-------------|
| red | |
| blue | 0.24 |
| green | |
| yellow | 0.31 |

Question 24

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

Question 27

