

**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.

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Question 3

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

Question 4

Key:



represents _____ rickshaws

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

Question 4

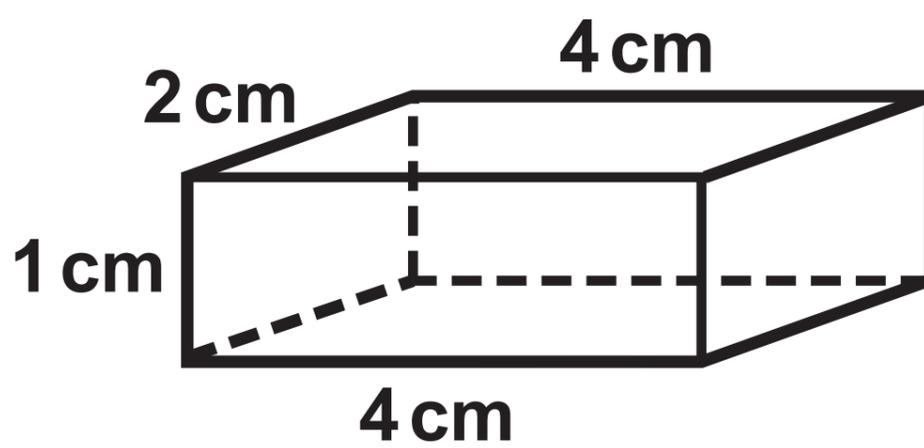
Key:



represents _____ rickshaws

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

Question 6(a)

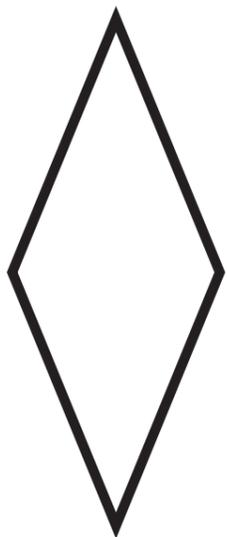


Question 6(b)



Question 6(c)

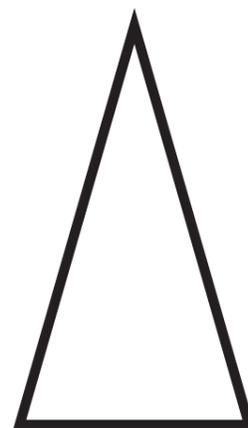
shape A



shape B



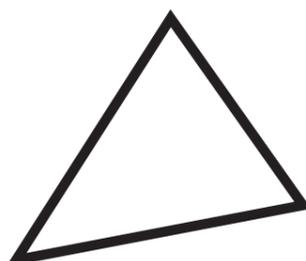
shape C



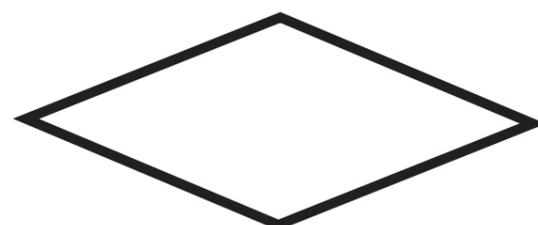
shape D



shape E



shape F

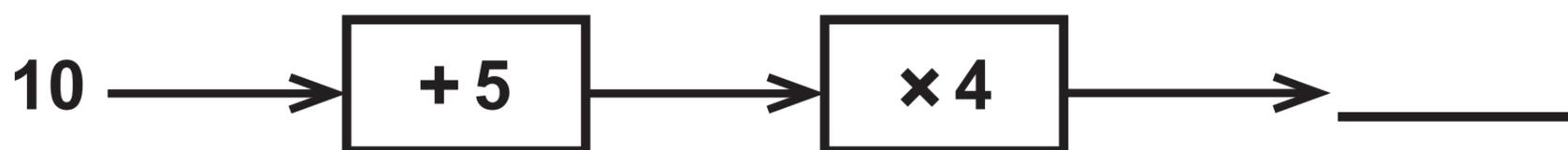


Question 7

Question 7(a)

INPUT

OUTPUT



Question 7(b)

INPUT

OUTPUT



Question 7(c)

INPUT

OUTPUT

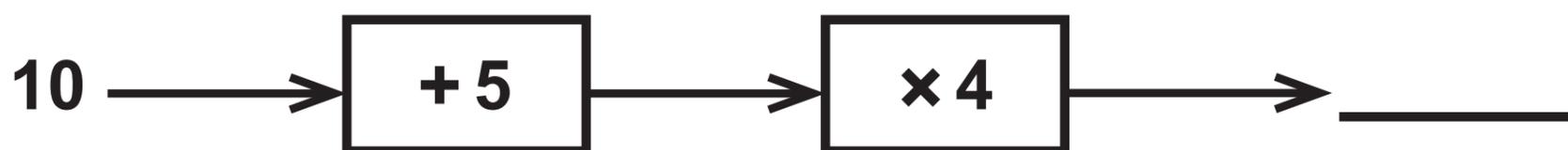


Question 7

Question 7(a)

INPUT

OUTPUT



Question 7(b)

INPUT

OUTPUT



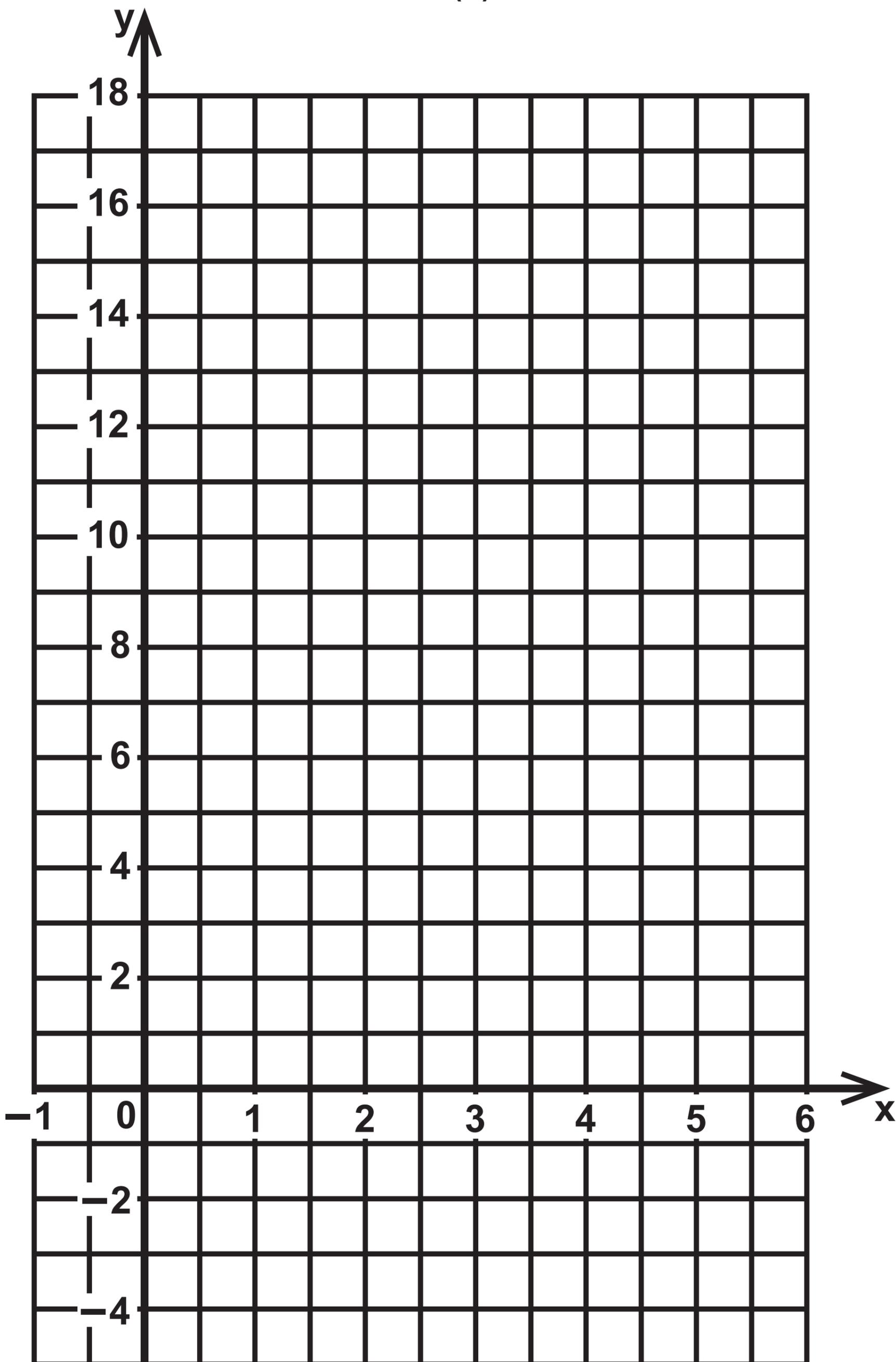
Question 7(c)

INPUT

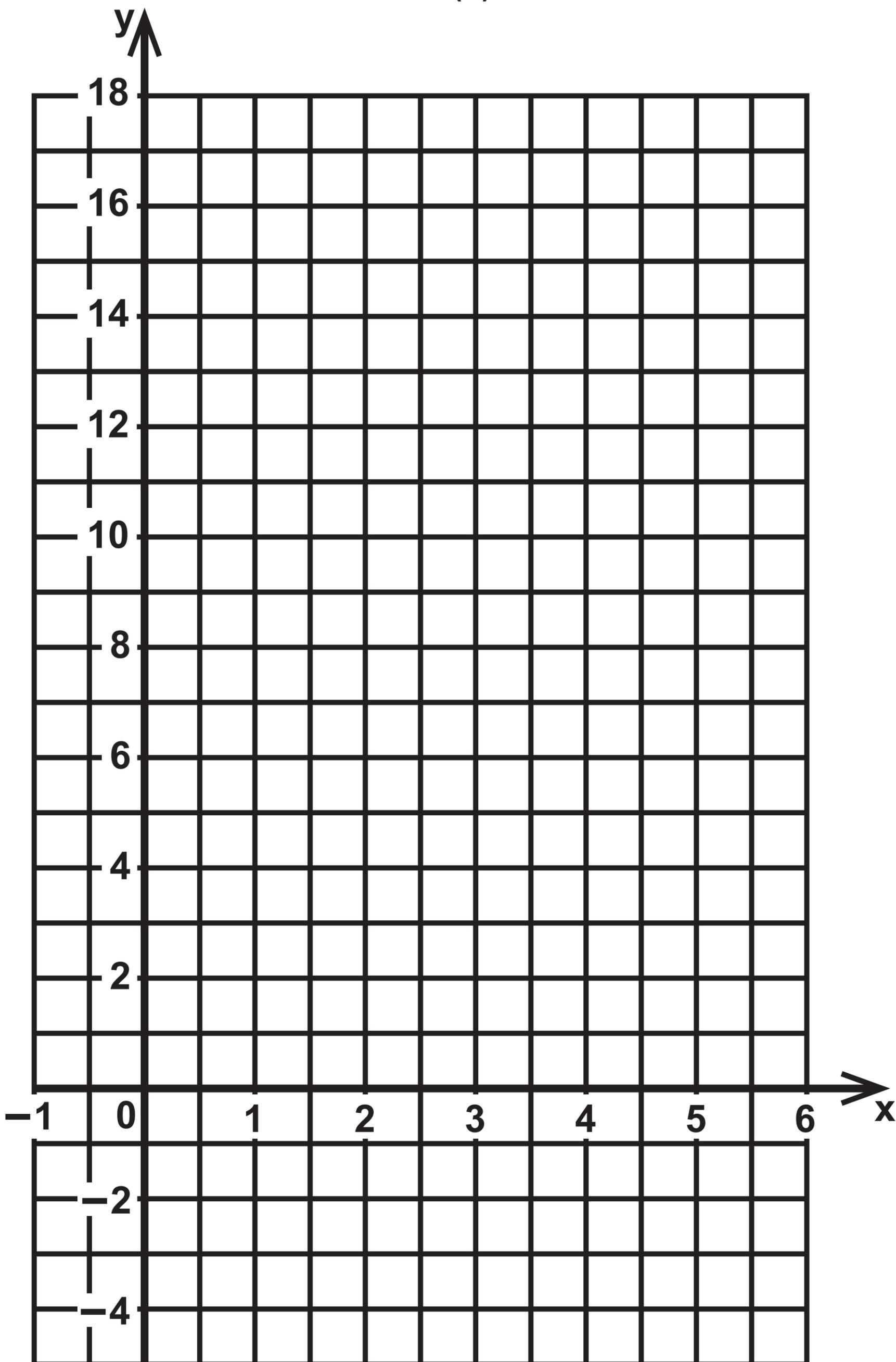
OUTPUT



Question 8(b)



Question 8(b)



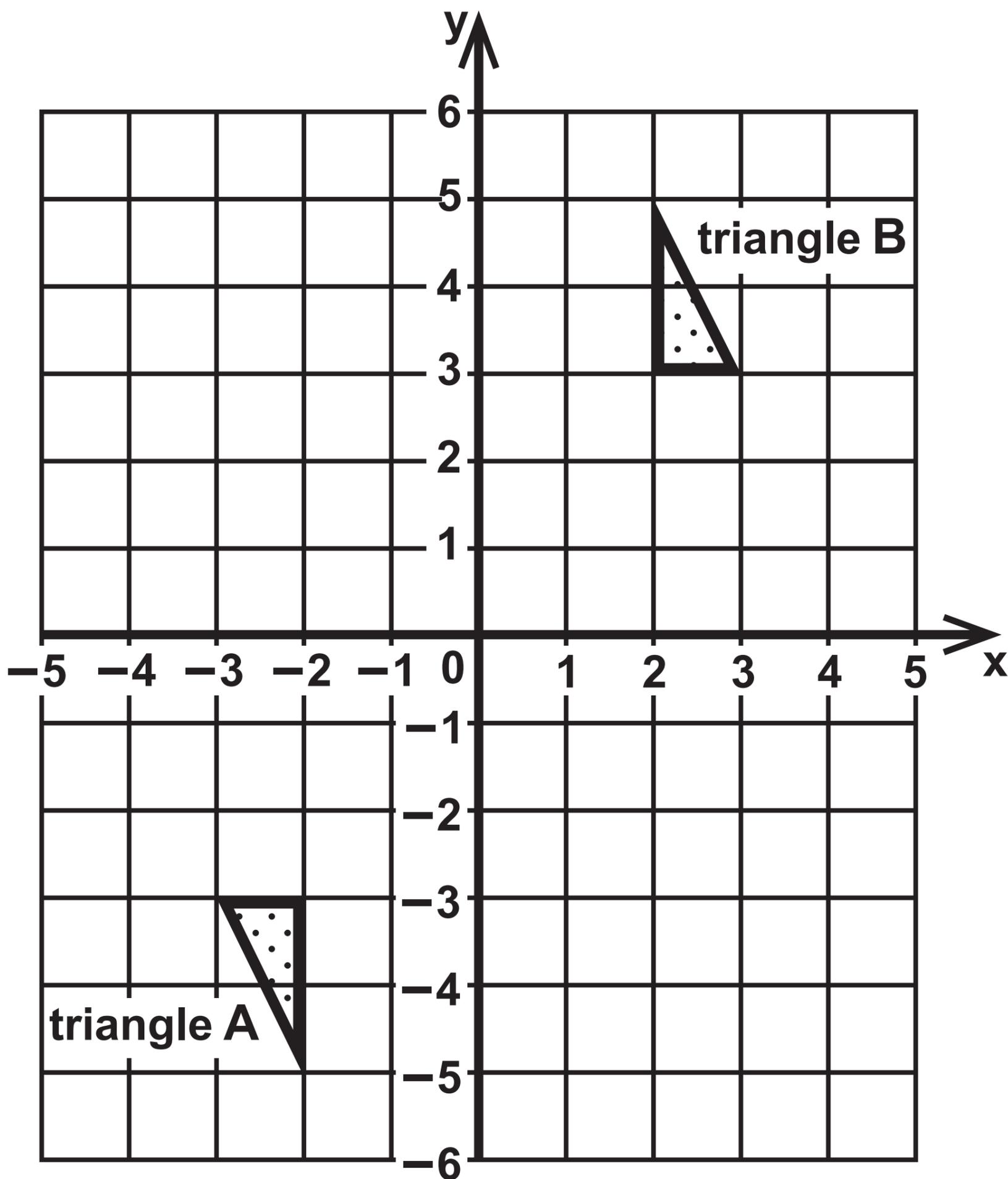
Question 9

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

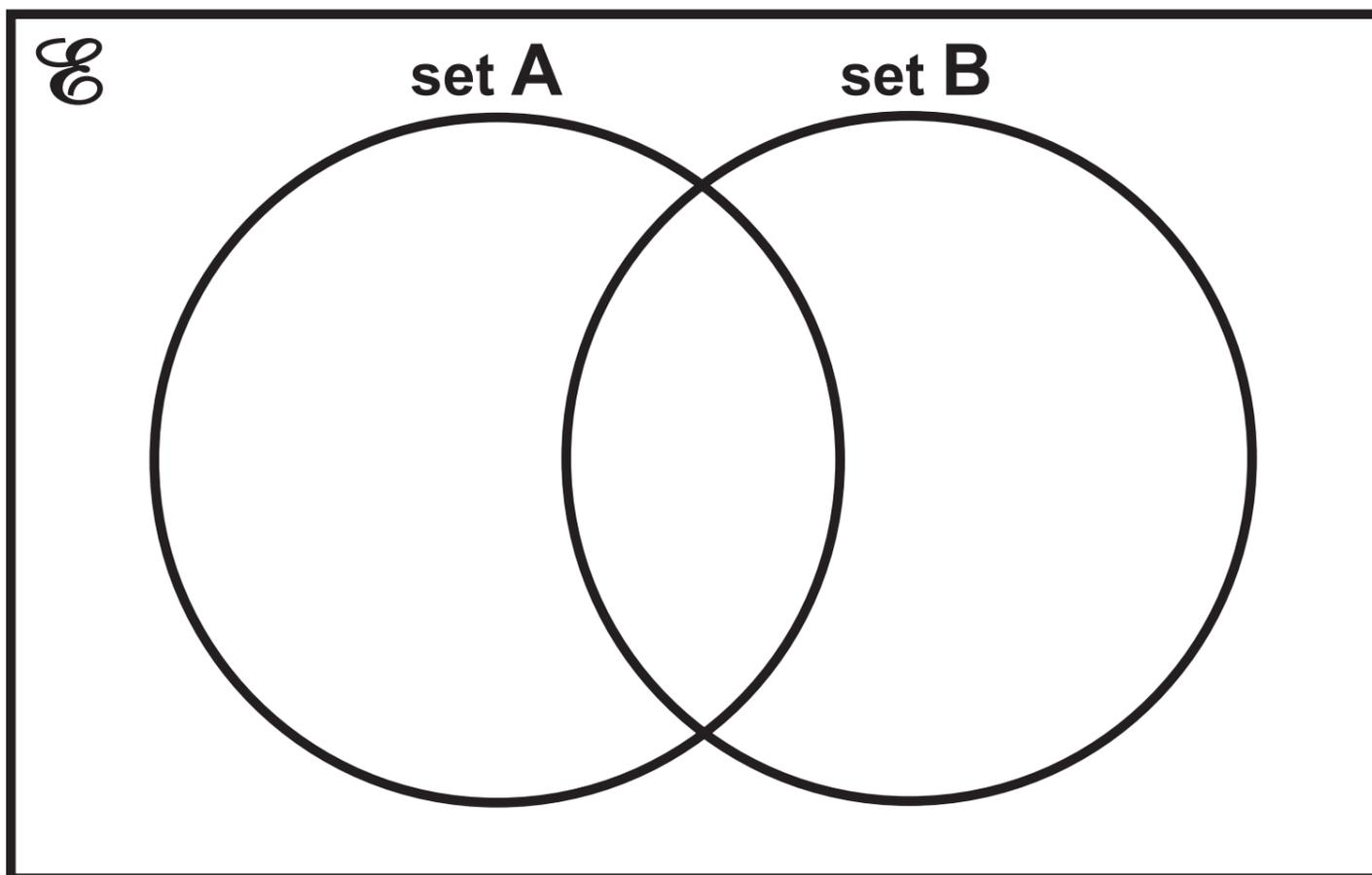
Question 11(b)

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

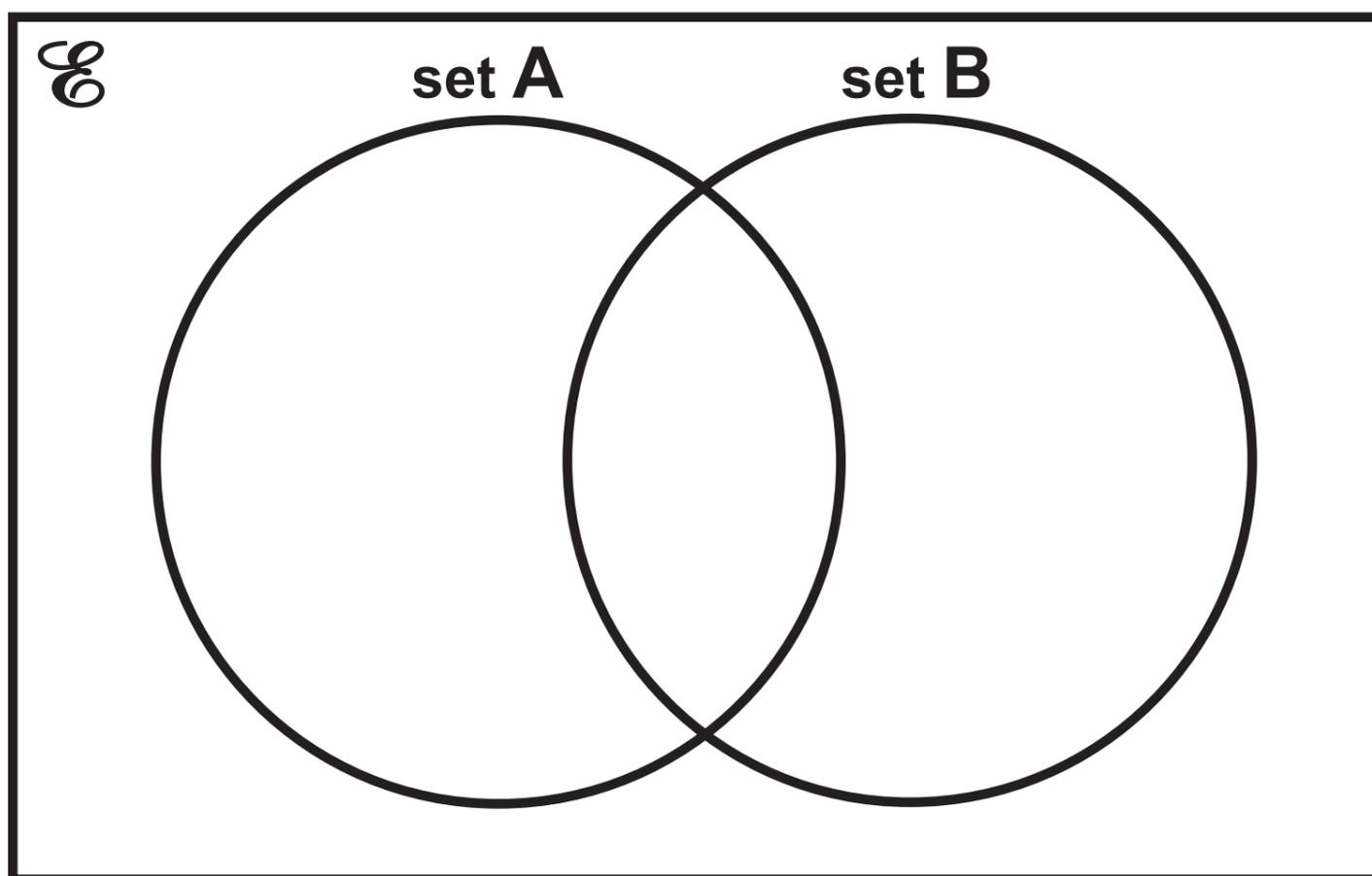
Question 14



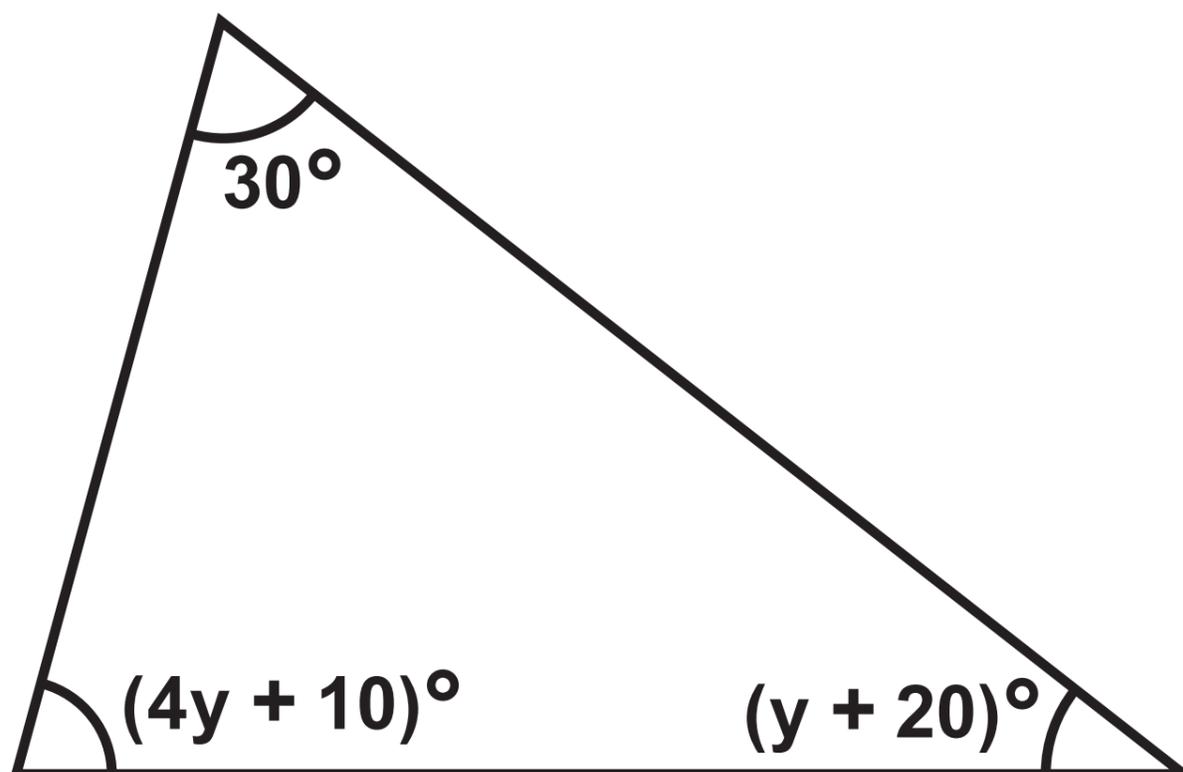
Question 16



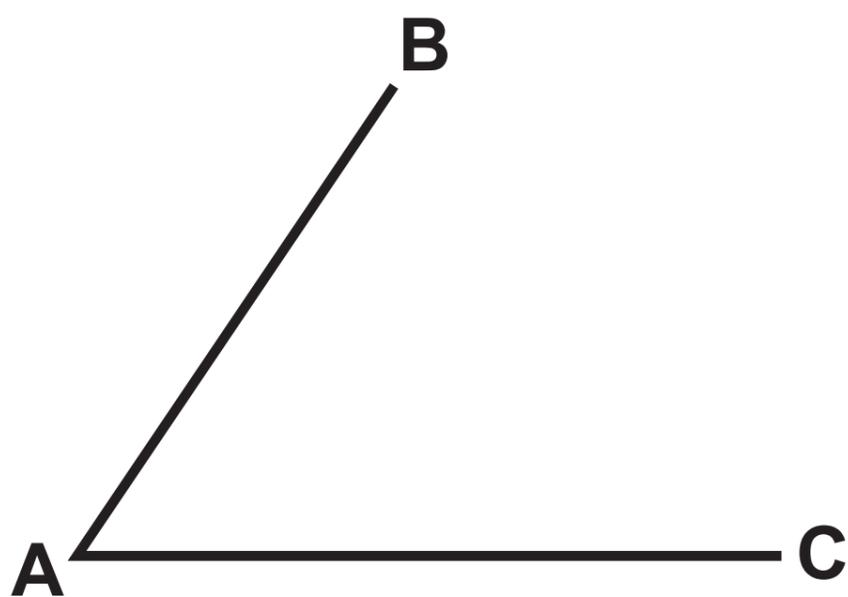
Question 16



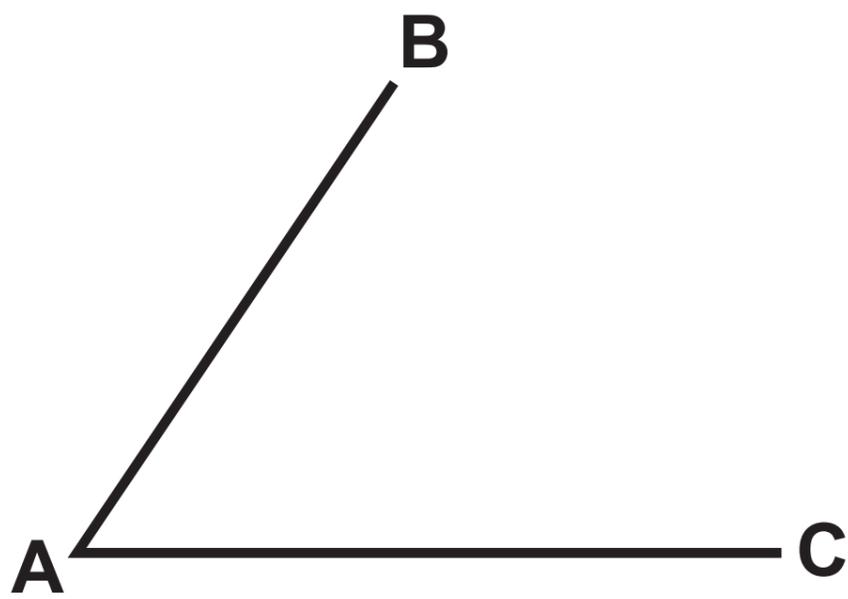
Question 20



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

