

**Paper Reference 4MA1/1F
Pearson Edexcel
International GCSE**

**Mathematics A
Paper 1F
(Calculator)
Foundation Tier**

Tuesday 7 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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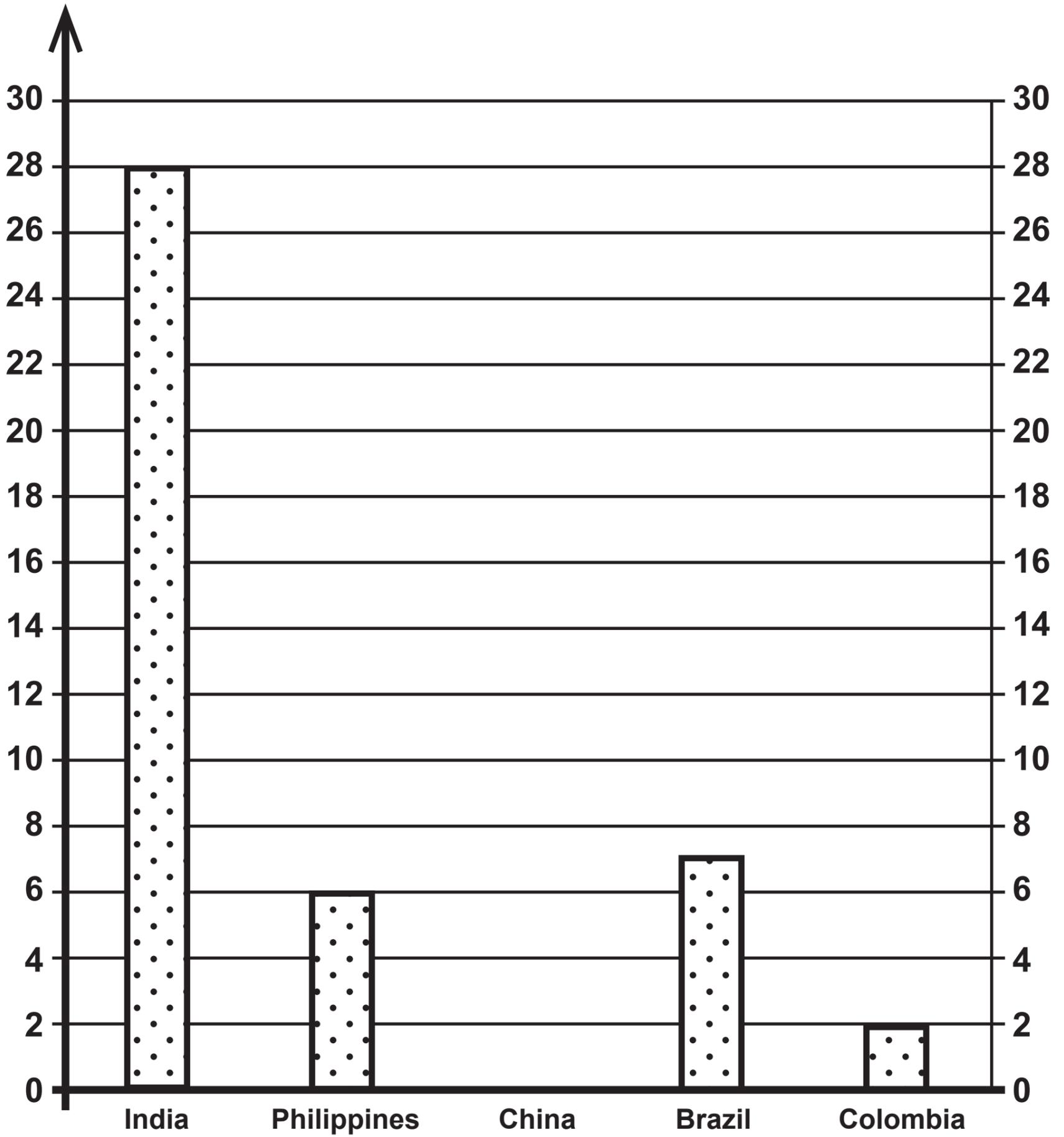
| | |
|----|------------------------------------|
| 4 | Question 1 |
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| 6 | Question 2 (Spare copy) |
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| 17 | Question 22 (NOT accurately drawn) |

Question 1

| Country | Land area (km²) |
|-----------------|-----------------------------------|
| Botswana | 566 730 |
| Kenya | 569 140 |
| Namibia | 823 290 |
| Somalia | 627 340 |
| Tanzania | 885 800 |

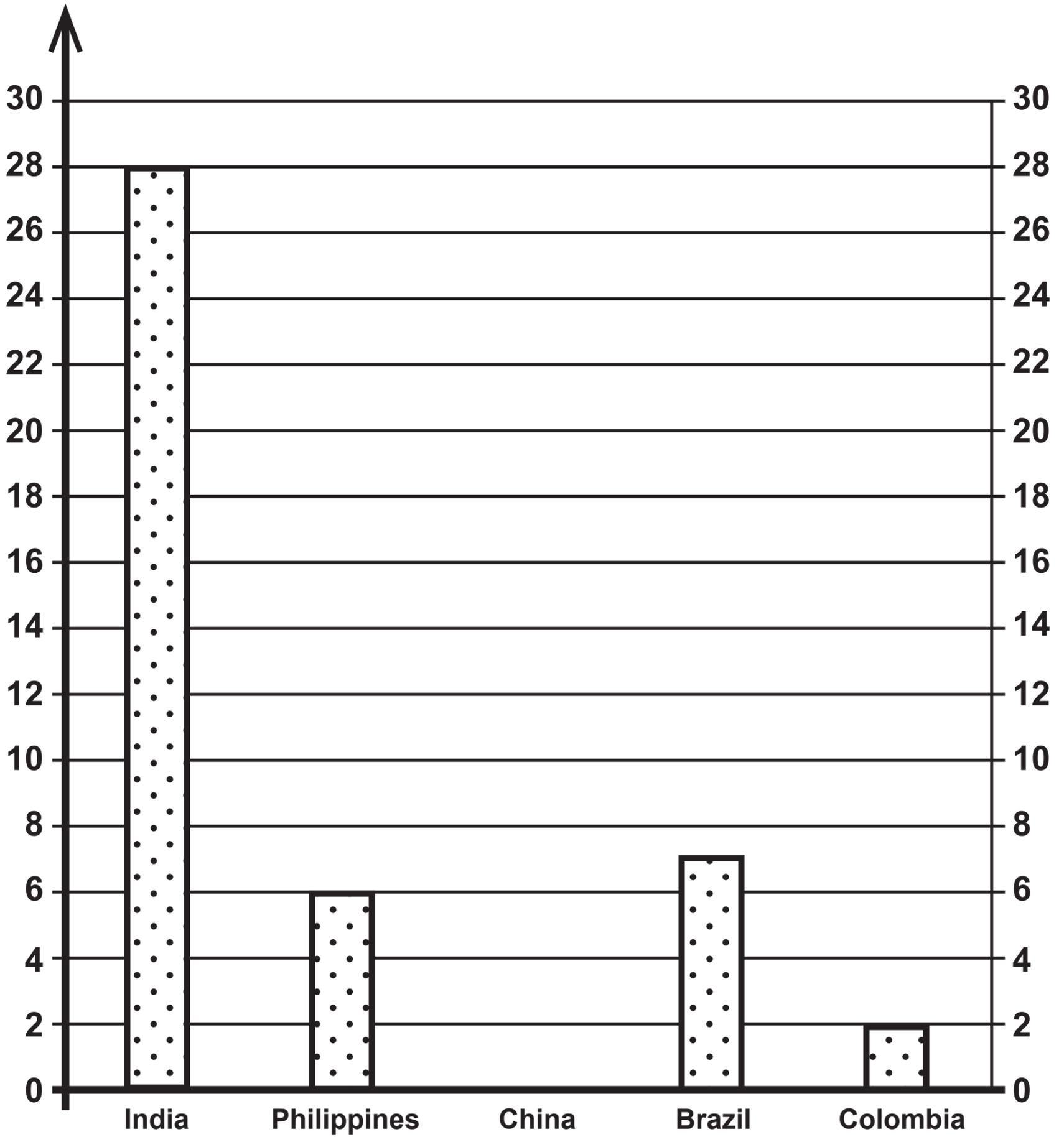
Question 2

Bananas
(millions of tonnes)



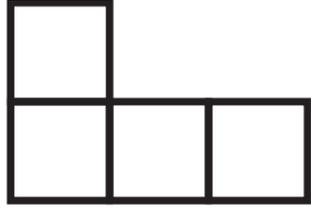
Question 2

Bananas
(millions of tonnes)

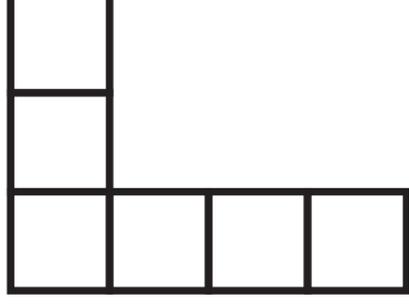


Question 4(a)

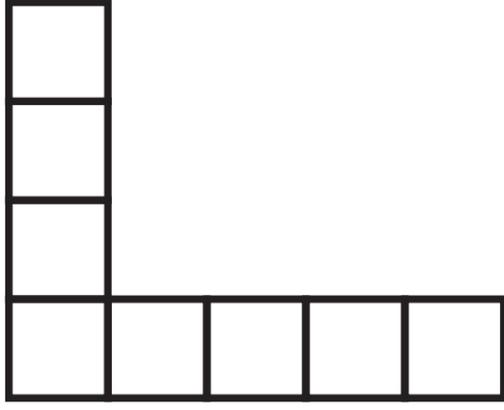
Pattern number 1



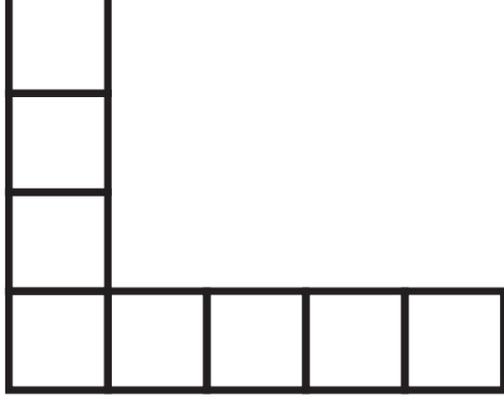
Pattern number 2



Pattern number 3

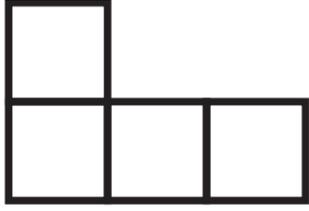


Pattern number 4
(not completed)

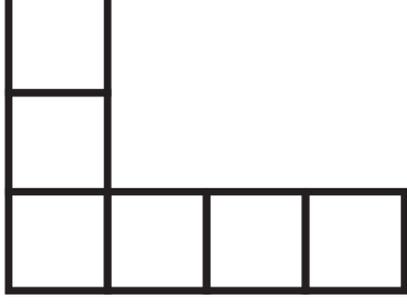


Question 4(a)

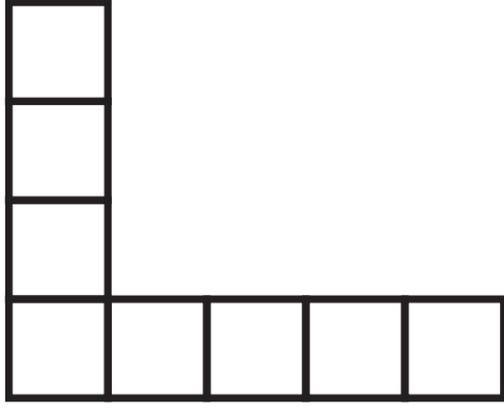
Pattern number 1



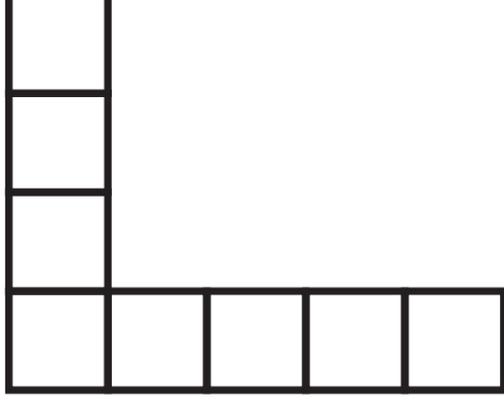
Pattern number 2



Pattern number 3



Pattern number 4
(not completed)



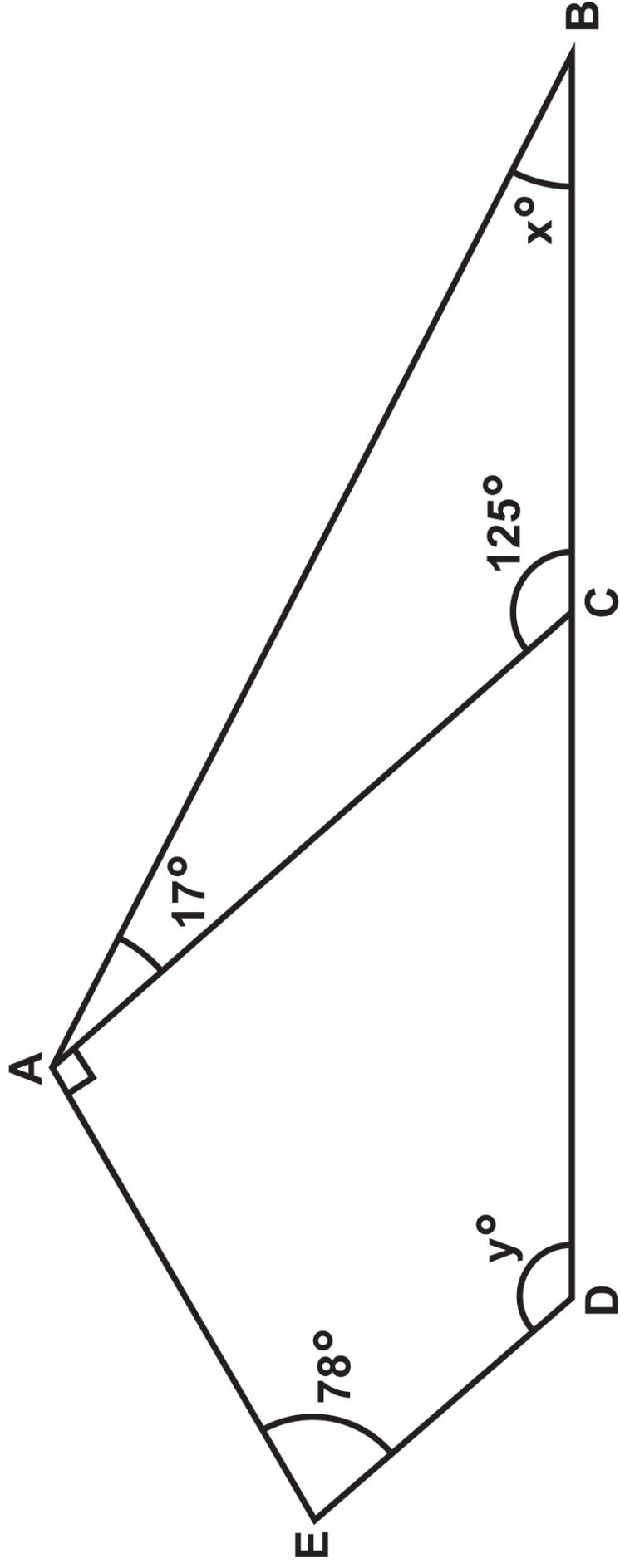
Questions 4(b) to (d)

| Pattern number | Number of tiles |
|-----------------------|------------------------|
| 1 | 4 |
| 2 | 6 |
| 3 | 8 |
| 4 | |
| 5 | |

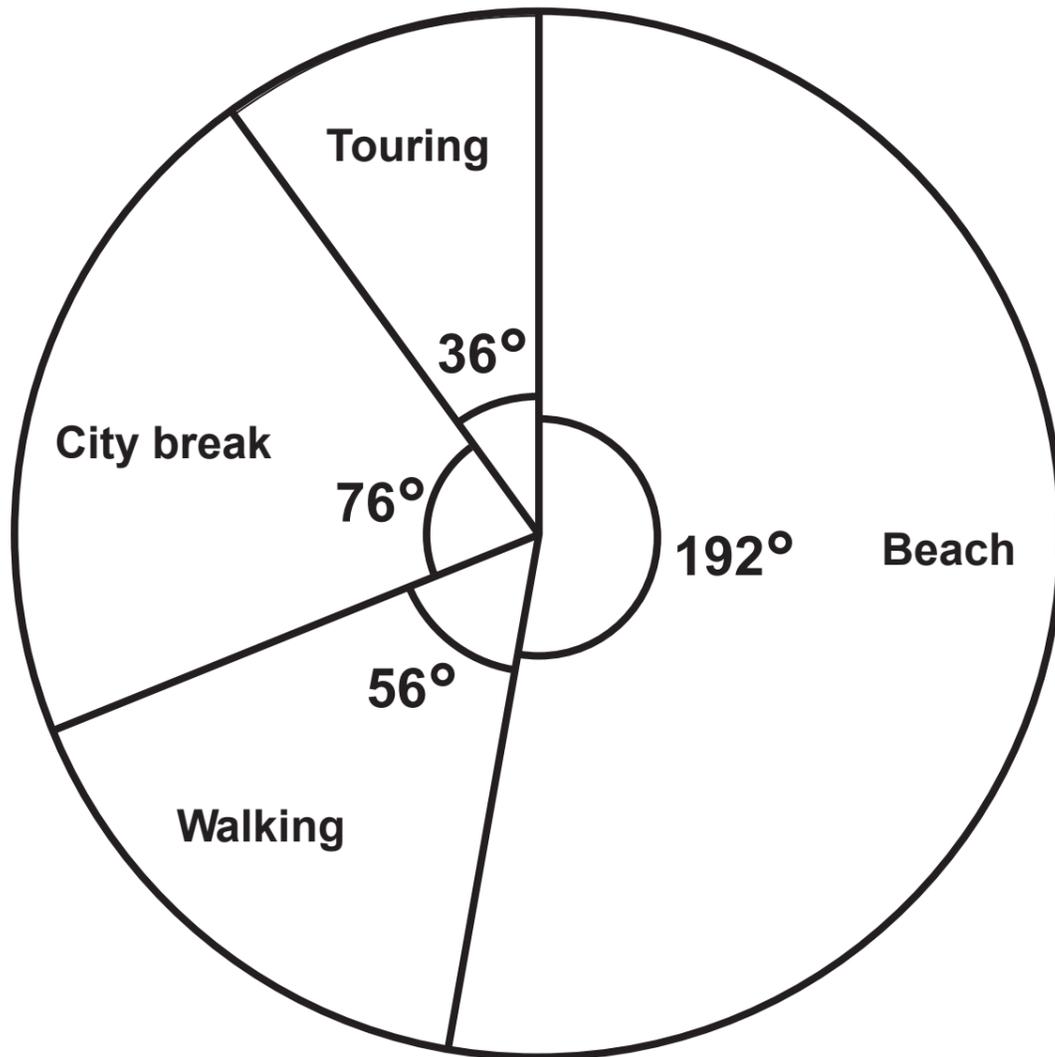
Questions 4(b) to (d)

| Pattern number | Number of tiles |
|-----------------------|------------------------|
| 1 | 4 |
| 2 | 6 |
| 3 | 8 |
| 4 | |
| 5 | |

Question 7

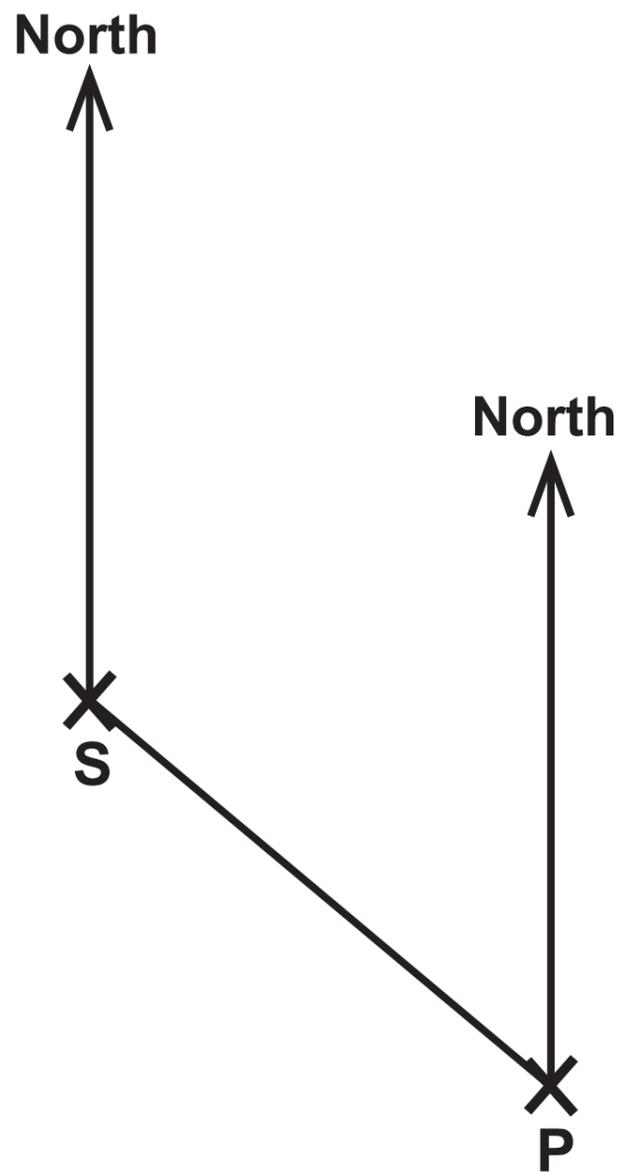


Question 11

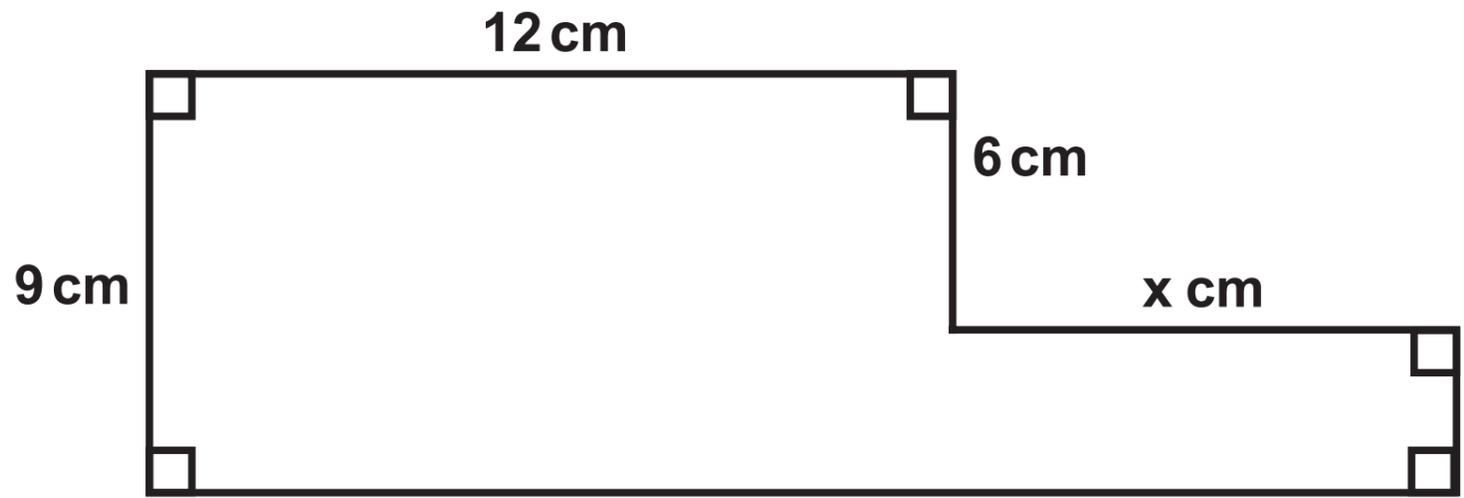


Question 13

Scale: 1 cm represents 20 km



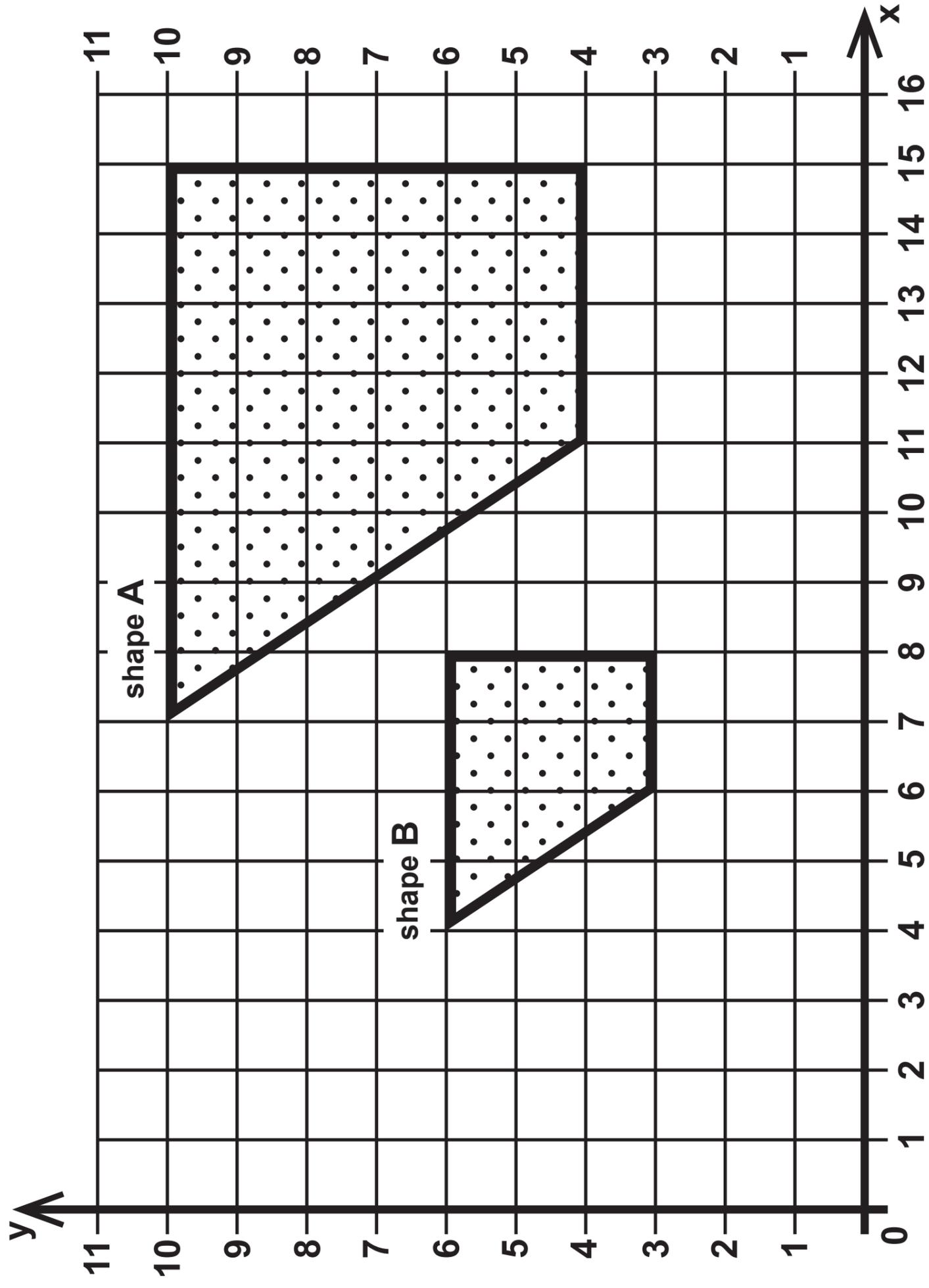
Question 16



Question 17

| Weight (w kg) | Frequency |
|----------------|-----------|
| $2 < w \leq 3$ | 12 |
| $3 < w \leq 4$ | 16 |
| $4 < w \leq 5$ | 9 |
| $5 < w \leq 6$ | 2 |
| $6 < w \leq 7$ | 1 |

Question 19



Question 22

