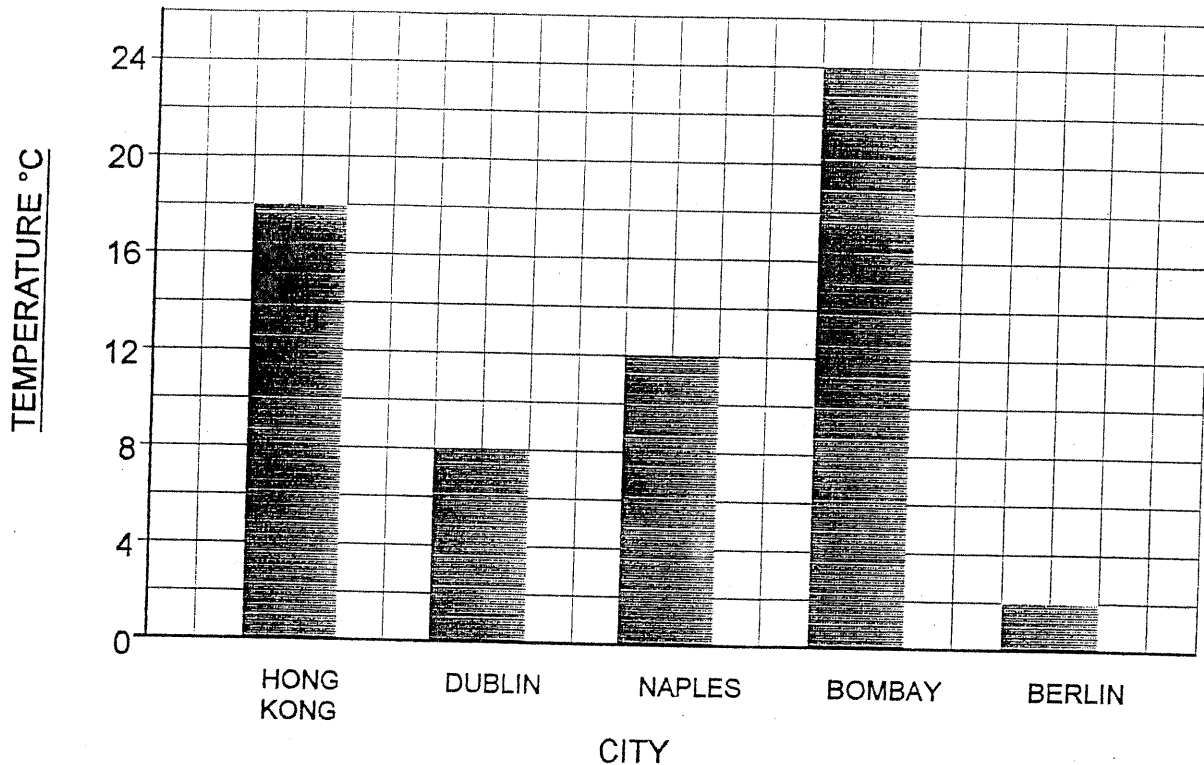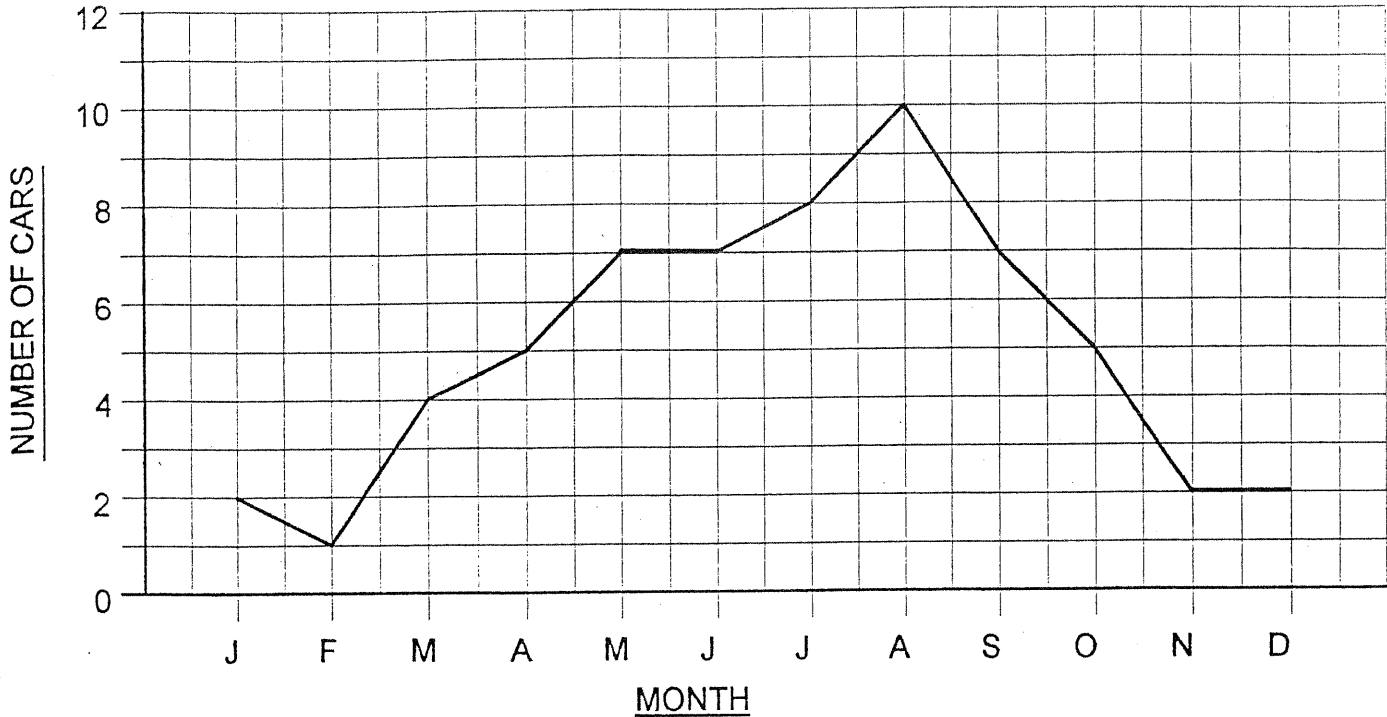## JANUARY TEMPERATURES

SECTION A - MULTIPLE CHOICE   The graph above shows the average daily high temperature in January for five cities. In the answer section to the right of the questions about the graph found below, **BLACKEN** the square matching your choice of answer. Each question is worth 1 mark.

	A	B	C	D
1. The city with the highest average temperature is _____. (a) Naples (b) Dublin (c) Bombay (d) Hong Kong	☐	☐	☐	☐
2. The city with the lowest average temperature is _____. (a) Dublin (b) Naples (c) Bombay (d) Berlin	☐	☐	☐	☐
3. The difference in temperature between Berlin and Dublin is _____. (a) 4°C (b) 6°C (c) 12°C (d) 18°C	☐	☐	☐	☐
4. Hong Kong is _____ warmer than Berlin. (a) 16°C (b) 6°C (c) 10°C (d) 22°C	☐	☐	☐	☐
5. Hong Kong is _____ colder than Bombay. (a) 16°C (b) 6°C (c) 10°C (d) 22°C	☐	☐	☐	☐

MAGNUM SPORTS CARS SALES
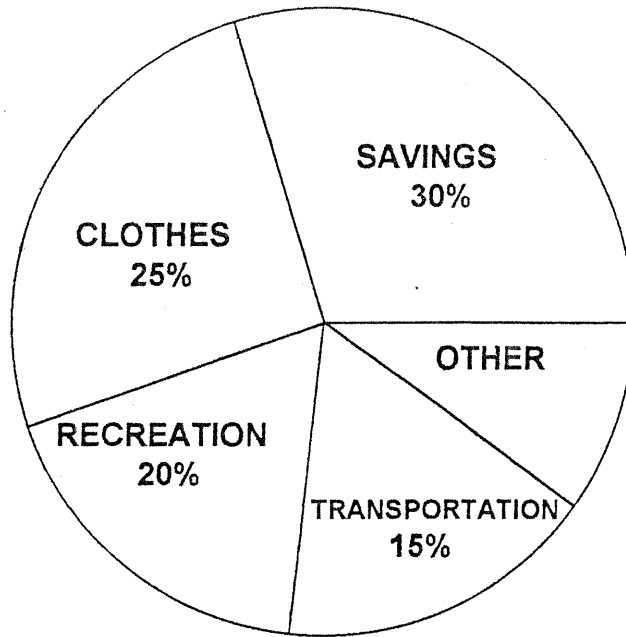

NUMBER OF CARS vs MONTH

SECTION A - MULTIPLE CHOICE   The graph above shows the number of sports cars sold by the Magnum Sports Car Company for one year. In the answer section to the right of the questions about the graph found below, **BLACKEN** the square matching your choice of answer. Each question is worth 1 mark.

6. The month with the highest sales was _____.

   (a) April   (b) August   (c) July   (d) February

   A ☐   B ☐   C ☐   D ☐

7. There were _____ cars sold in the month of May.

   (a) 4   (b) 5   (c) 6   (d) 7

   A ☐   B ☐   C ☐   D ☐

8. The least sales were recorded in the month of _____.

   (a) January   (b) February   (c) November   (d) December

   A ☐   B ☐   C ☐   D ☐

9. The total number of cars sold for the year was _____.

   (a) 10   (b) 59   (c) 60   (d) 58

   A ☐   B ☐   C ☐   D ☐

10. Sales from March to April increased by _____ car(s).

   (a) 1   (b) 2   (c) 3   (d) 9

   A ☐   B ☐   C ☐   D ☐

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WAYNE'S MONTHLY SPENDING

Pie chart:
- SAVINGS 30%
- CLOTHES 25%
- RECREATION 20%
- OTHER
- TRANSPORTATION 15%

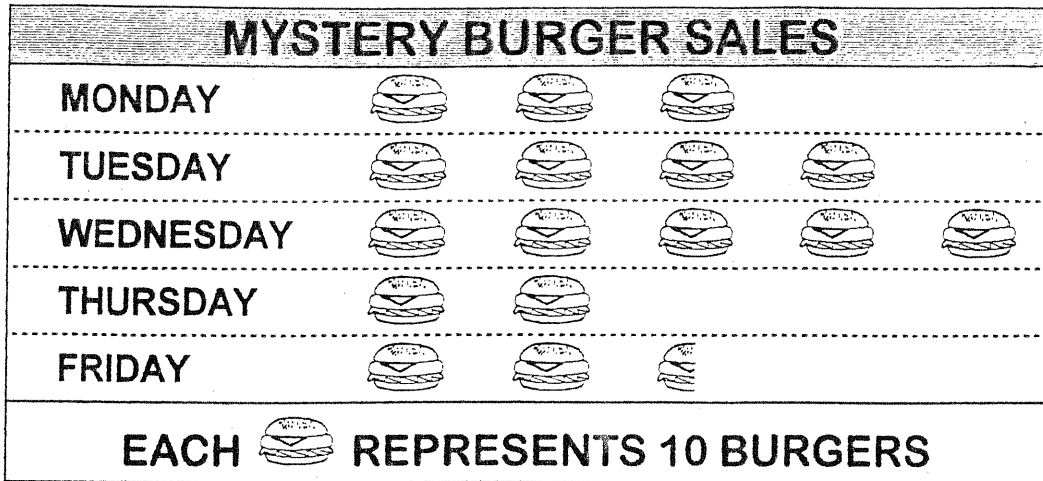WAYNE EARNED
$2000 LAST YEAR

SECTION A - MULTIPLE CHOICE   The graph above shows how Wayne spent the earnings from his part-time job. His earnings last year were $2000. In the answer section to the right of the questions about the graph found below, **BLACKEN** the square matching your choice of answer. Each question is worth 1 mark.

	A	B	C	D
11. The percent that Wayne spent on recreation was _____. (a) 30% (b) 25% (c) 20% (d) 15%	☐	☐	☐	☐
12. Last year, Wayne managed to save _____. (a) $600 (b) $500 (c) $400 (d) $300	☐	☐	☐	☐
13. The percent that Wayne spent on "other" things was _____. (a) 5% (b) 10% (c) 15% (d) 20%	☐	☐	☐	☐
14. Wayne spent _____ on "other" things last year. (a) $400 (b) $300 (c) $200 (d) $100	☐	☐	☐	☐
15. The percent that Wayne spent on clothes, recreation and transportation together was _____. (a) 25% (b) 50% (c) 60% (d) 90%	☐	☐	☐	☐

MYSTERY BURGER SALES

MONDAY	🍔 🍔 🍔
TUESDAY	🍔 🍔 🍔 🍔
WEDNESDAY	🍔 🍔 🍔 🍔 🍔
THURSDAY	🍔 🍔
FRIDAY	🍔 🍔 🍔

EACH 🍔 REPRESENTS 10 BURGERS

SECTION A - MULTIPLE CHOICE   The graph above shows the number of mystery burgers sold in the cafeteria during one week. In the answer section to the right of the questions about the graph, BLACKEN the square matching your choice of answer. Each question is worth 1 mark.

6. On Monday, _____ burgers were sold.

   (a) 20   (b) 30   (c) 40   (d) 50

| A | B | C | D |
| □ | □ | □ | □ |

7. The most burgers were sold on _____.

   (a) Monday   (b) Tuesday   (c) Wednesday (d) Thursday

| A | B | C | D |
| □ | □ | □ | □ |

8. The fewest burgers were sold on _____

   (a) Tuesday   (b) Wednesday   (c) Thursday   (d) Friday

| A | B | C | D |
| □ | □ | □ | □ |

9. Burger sales on Wednesday were _____ more than on Friday.

   (a) 30   (b) 25   (c) 20   (d) 10

| A | B | C | D |
| □ | □ | □ | □ |

10. The total sales for the week were _____ burgers.

   (a) 155   (b) 175   (c) 140   (d) 165

| A | B | C | D |
| □ | □ | □ | □ |

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FAVOURITE TV SPORT SURVEY

SPORT	TALLY	NUMBER
HOCKEY	$\cancel{||||}$ $\cancel{||||}$ ///	13
FOOTBALL	$\cancel{||||}$ ///	8
SOCCER	///	3
BASEBALL	$\cancel{||||}$ ////	9
BASKETBALL	$\cancel{||||}$ //	7

SECTION A - MULTIPLE CHOICE   The frequency table above organizes the responses of students from O-204 when asked, "What is your favourite TV Sport?" In the answer section to the right of the questions about the frequency table found below, **BLACKEN** the square matching your choice of answer. Each question is worth 1 mark.

21. The **range** of the numbers given in the frequency table is _____.

(a) 40   (b) 10   (c) 8   (d) 5

A B C D

22. The **mean** of the numbers given in the frequency table is _____.

(a) 40   (b) 10   (c) 8   (d) 5

A B C D

23. The most appropriate graph to illustrate the information in the frequency table would be a _____.

(a) bar graph or pictograph   (c) circle graph
(b) broken-line graph   (d) none of the above

A B C D

24. When drawing a graph of the information in the frequency table, the horizontal axis label should be _____.

(a) SPORT   .   (c) NUMBER
(b) TALLY   (d) none of the above

A B C D

25. When drawing a graph of the information in the frequency table, the most appropriate scale for dealing with the category "NUMBER" would be _____ space(s) is(are) equal to 1 unit.

(a) 0.5   (b) 2   (c) 5   (d) 10

A B C D

SCHOOL DANCE SURVEY

| 3	5	4	6	4
2	4	6	3	4
5	2	3	4	5
5	4	2	6	4

SECTION B - DATA COLLECTION   The grid above shows the responses given by twenty students when asked, "How many school dances have you attended so far this year?" Use the information in that grid to complete the frequency table below. This question is worth 10 marks.

NUMBER OF DANCES	TALLY	FREQUENCY
2		
3		
4		
5		
6		
TOTAL		

21

LIFE SPAN OF ANIMALS

ANIMAL	LIFE SPAN (YEARS)
Squirrel	11
Sheep	15
Mouse	3
Cat	17
Rabbit	12

SECTION C - BAR GRAPH   The table above gives the typical life span for several animals. On the grid below, draw a **bar graph** to illustrate the information given above. This question is worth 10 marks.
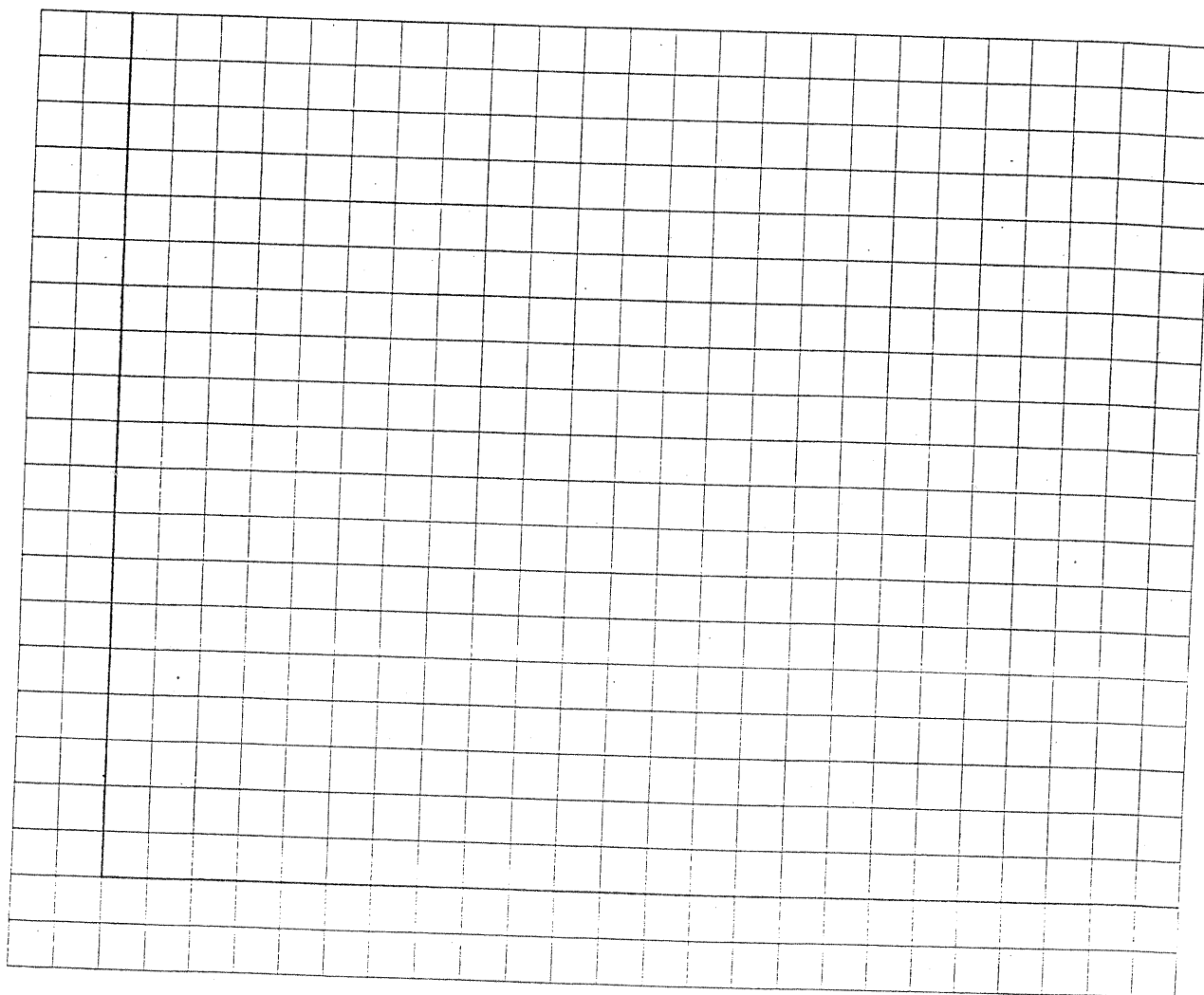
TIME	TEMPERATURE (ºC)
8:00	5
9:00	7
10:00	11
11:00	10
12:00	9
13:00	6

CTION D - <u>BROKEN-LINE GRAPH</u>   The table above gives the temperatures recorded by Terry, a est ranger, over a six hour period. On the grid below, draw a **broken-line** <u>graph</u> to illustrate the ormation given above. This question is worth 10 marks.
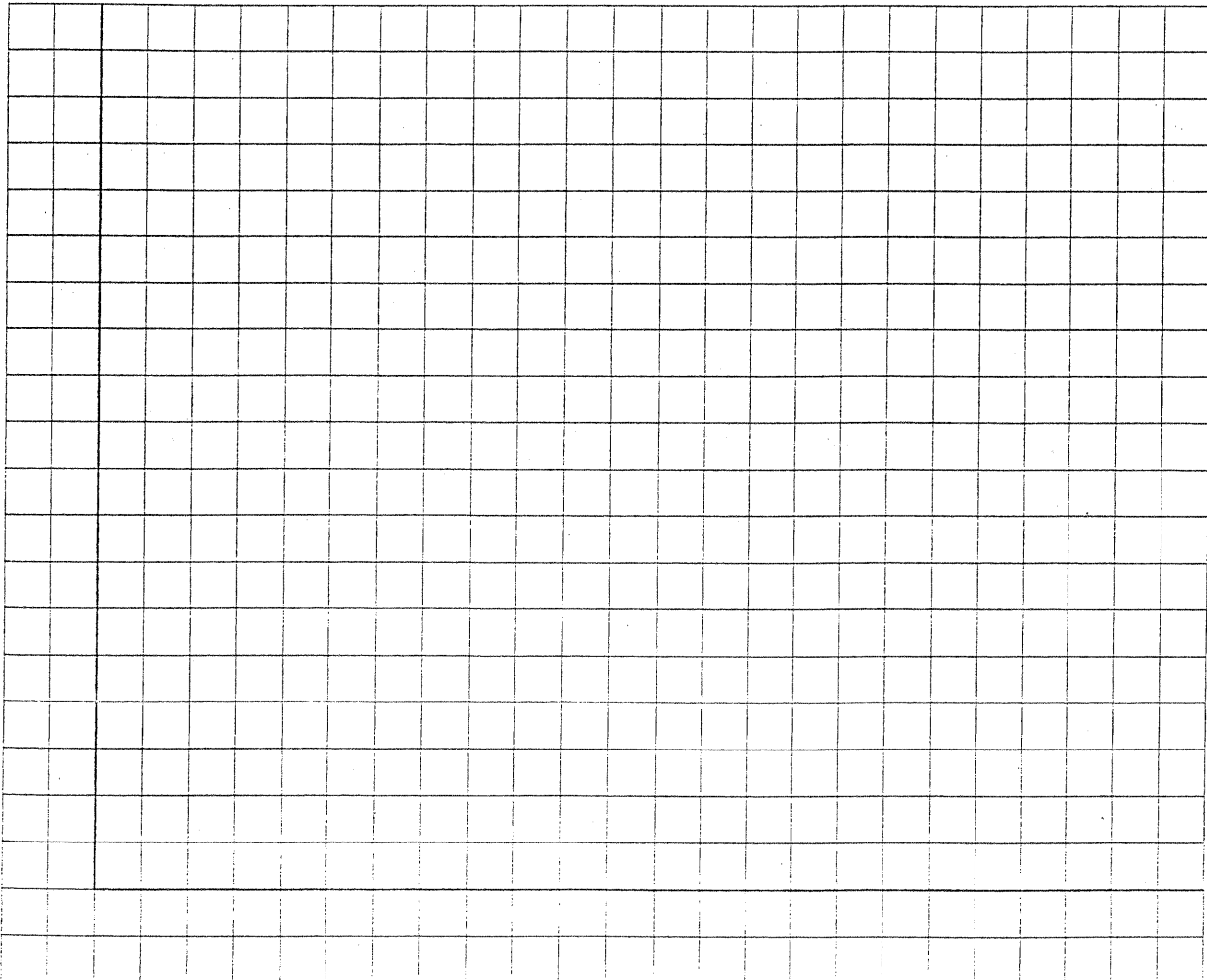
EXPENSE	FRACTION	DEGREES
TUITION	$\frac{1}{4}$	
ROOM & BOARD	$\frac{3}{10}$	
BOOKS	$\frac{1}{20}$	
TRANSPORTATION	$\frac{3}{20}$	
RECREATION	$\frac{1}{10}$	
OTHER	$\frac{3}{20}$	
TOTALS	1	

SECTION E - CIRCLE GRAPH   The table above divides up Tim's university expenses of $5000 for one year. Complete the table above and then, on the circle below, draw a **circle graph** to illustrate the given information. This question is worth 10 marks.