

Level 3 Core Formal Homework
(Show all working!)

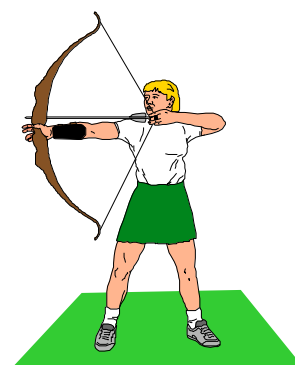
Statistics

1. Thirty-six arrows were fired at a target. The outside ring scored 1 point and the centre ring was worth 10 points. The results are shown below:

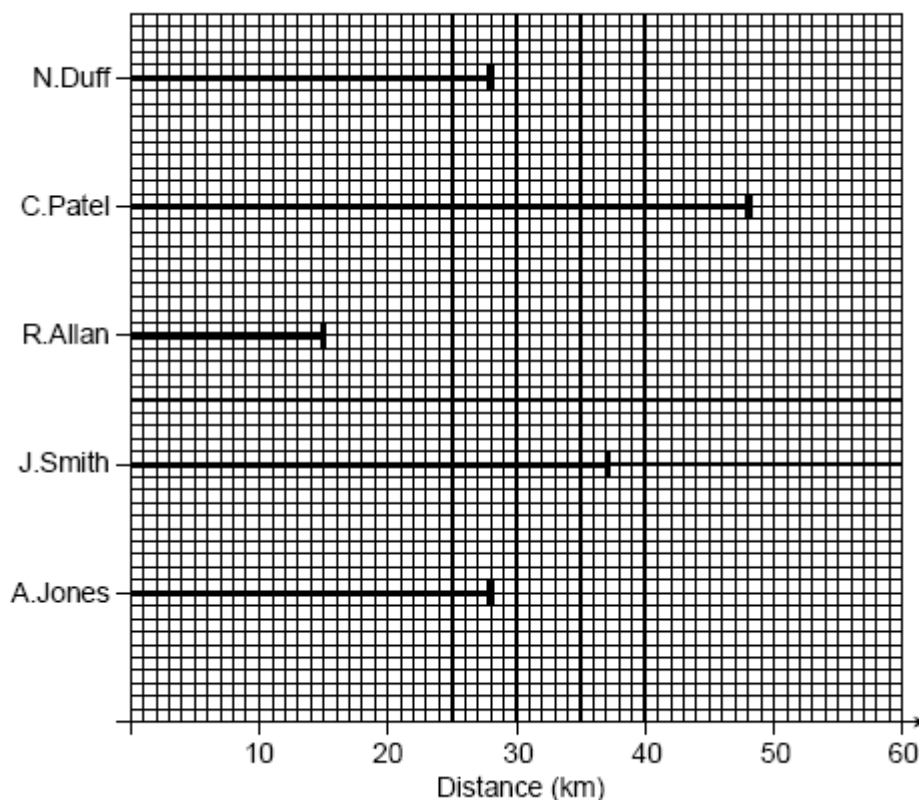
4 4 5 4 1 4 7 7 9 5 2 2
 1 1 8 1 9 1 2 5 8 1 8 10
 9 5 6 7 8 4 2 3 5 6 6 4

Copy and complete the frequency table below

Score (x)	Tally	Frequency
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



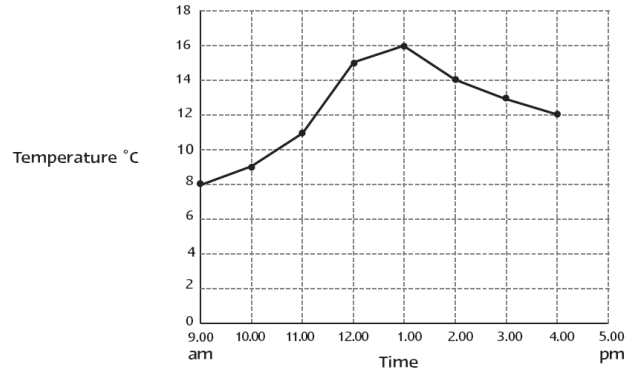
2. The graph shows the distance travelled to work by a group of people:



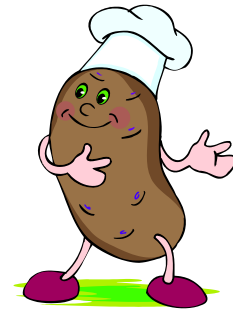
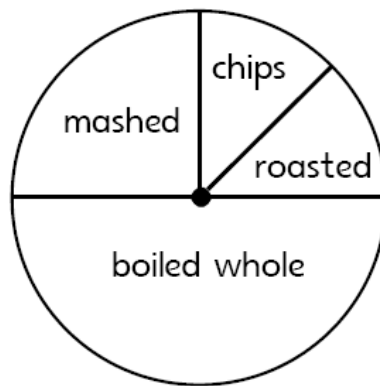
What is the difference between the longest and the shortest distances?

3. The temperature in a classroom was recorded over the duration of 1 day:

- (a) At what time was the temperature first taken?
- (b) Use the graph to estimate what the temperature would have been at 11.30am.
- (c) What was the average temperature for that day?



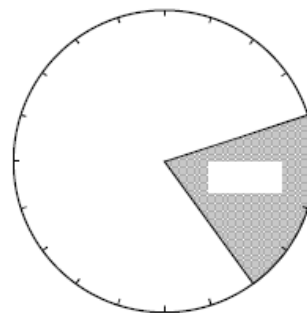
4. A group of people were asked how they preferred their potatoes to be cooked:



- (a) What percentage preferred their potatoes boiled?
- (b) What percentage of the group preferred theirs' mashed?
- (c) If there were 60 people in the survey, how many of them preferred mashed potatoes?
- (d) Were the people in this survey grown-ups or teenagers? Give a reason for your answer.

5. A survey of the ages of shoppers in a supermarket revealed the following:

Age Range	Percentage
under 20	15%
20-34	20%
35-49	30%
50-64	25%
65 or over	10%



Using the information in the table, what is the age range represented by the shaded section of the pie-chart?