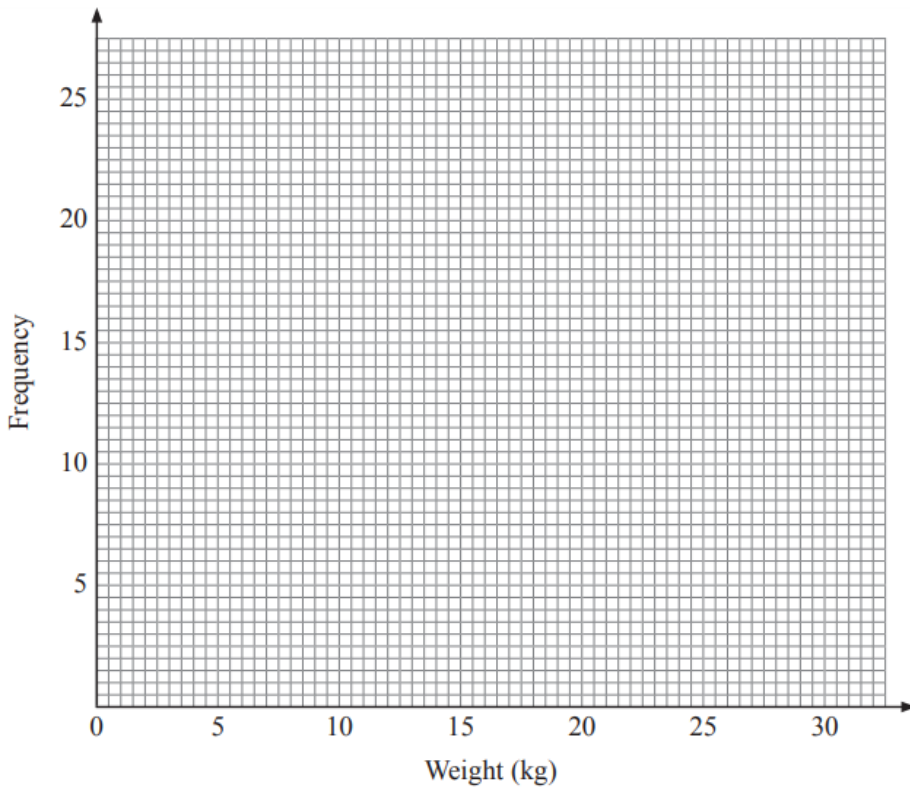


10 The table below shows the weight of suitcases checked in for a flight.

Weight (kg)	Frequency
$0 < w \leq 5$	2
$5 < w \leq 10$	11
$10 < w \leq 15$	25
$15 < w \leq 20$	18
$20 < w \leq 25$	13
$25 < w \leq 30$	11

(a) Draw a frequency polygon for the data.



[2]

(b) Which class interval contains the median weight?

Answer _____ [1]

(c) All luggage is charged at £20 per suitcase. A suitcase weighing over 20kg has an additional charge of £7.50

How much money is charged for all the luggage on this flight?

Answer £ _____ [2]

m3 = 18 days to go!

Nicola is organising a concert to raise money for charity.
 Entry to the concert is £4.00
 The number of people attending concert is 800 to the nearest hundred.

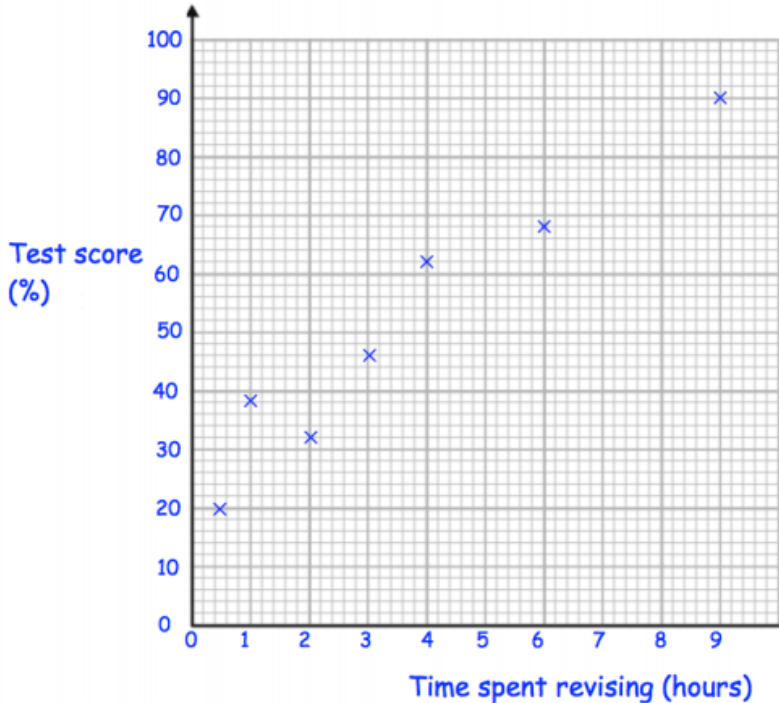
What is the greatest possible amount of money she raised for charity?

£.....
(3)

2. The table shows the time spent revising and the test scores of ten students.

Time spent revising (hours)	9	0.5	1	4	6	2	3	7	5	8
Test result (%)	90	20	38	62	68	32	46	70	60	86

The first seven points have been plotted on this scatter diagram.



- (a) Complete the scatter diagram. **(1)**
- (b) Describe the relationship shown in the scatter diagram.

 **(1)**
- (c) Draw a line of best fit on your scatter diagram. **(1)**
- (d) Another student has spent 4.5 hours revising.
 Use your line of best fit to estimate their test result.
% **(1)**