1) (i) Mean = 78.95
Median = 82

(ii) Median = 40.6
Mean = 40.38

(iii) Median = 6.1
Mean = 6.3

(iv) Median = 30.25
Mean = 26.39

(v) Median = 98
Mean = 97.57

2) i) Evenly distributed

ii) Median = 45 Mean = 42.29

5) (i) 2000 (ii) 2009 (iii) 155,048.8

iv) 155,696.5

7) i) 96 (ii) 34 years (iii) 25%

8) i) Continuous, because 'amount of hours in a day' is not an exact amount and can be measured to more and more decimal places.

ii)

Q6 (i) 720 (ii) 120 (iii) ~~3 × 2 × (4-2) = 24~~

$5! \times 3 = 360$

Q7 (i) $6 \cdot 5 \cdot 4 = 120$

Q8 $9! \div 9 = 3,265,920$

Q9 $(26 \times 25) = 650$

Q10 (i) $7! = 5040$ (ii) 720 (iii) 120

Q11 (i) 5040 (ii) 720 (iii) 4320

(iv) $2160 = 6! \times 3$ (v) 2880

Q12 (i) 24 (ii) 64 (iii) 3 2 2 $3! \times 2 = 12$

(iv) 12

Q13 (i) (a) ~~24~~ (ii) $3! \times 3 = 18$

(b) 256

Q14 (i) 40,320 (ii) $7! \times 7 = 35,280$

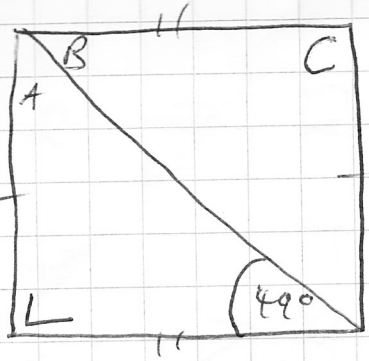
$(5s + 50)20) + 1016 - 2000 =$

$100s + 1000 + 1016 - 2000 =$

$100s + 2016 - 2000 =$

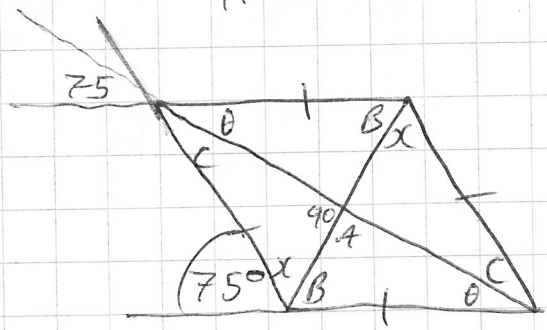
$100s + 16$

(i)

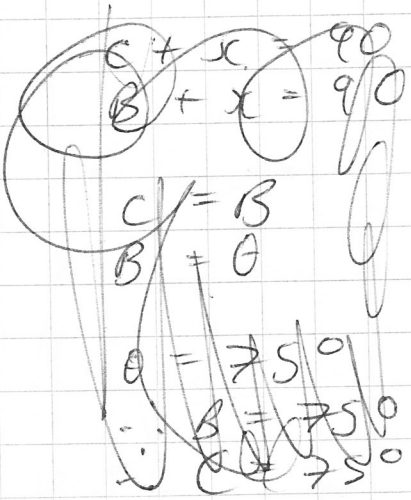


$B = 49°$
$C = 90°$
$A = 41°$

(ii)



$A = 90°$



$C + \theta = 75°$
$B = x$
$C = \theta$

$C = 37.5$
$B = x = 90 - 37.5 =$

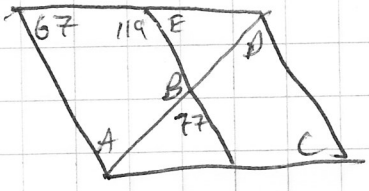
$B = 52.5$

$A = 90°$
$B = 52.5°$
$C = 37.5°$

(iii)

$B = 80°$
$C = 60°$
$A = 40°$

(iv) $A = D$



$E = 61°$

$A = D$

$B = 103°$

$A = 71°$
$D = 71°$

$A = 71°$
$B = 103°$
$C = 67°$
$D = 71°$

$E = 61°$