

# DATA HANDLING TEST

Grade 10  
Mathematics  
Marks: 40  
Time: 50 Minutes

Name: \_\_\_\_\_



## QUESTION 1

Consider the data set below:

27	32	37	41	41	53	58	59	67	71	73	77	93	97	99
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1.1 Determine the mean to the nearest integer.

(2) S1801

1.2 Determine the median.

(1) S1801

1.3 Determine the mode.

(1) S1801

1.4 Write down the Five number summary.

(5) S1805

1.5 Calculate the interquartile range.

(2) S1805

1.6 Use the above information to draw a box-and-whisker diagram.

(3) S1806

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**QUESTION 2**

The number of burgers that a tuck shop sells over a period of 70 days are given in the table below:

<b>Amount</b>	$0 < x \leq 10$	$10 < x \leq 20$	$20 < x \leq 30$	$30 < x \leq 40$	$40 < x \leq 50$
<b>Frequency</b>	7	15	21	19	8

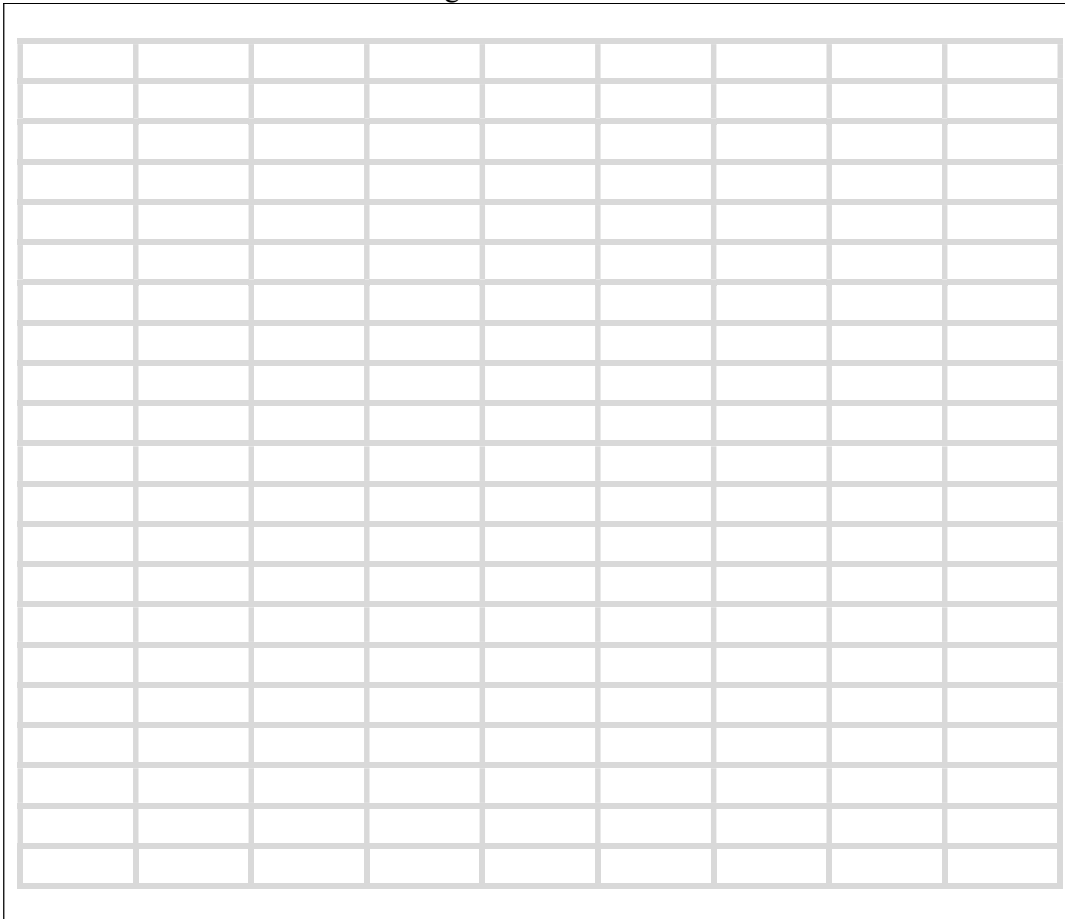
2.1 Complete the frequency table below (a to t):

(8) S1804

Amount of burgers ( $x$ )	(a)	(b)	(c)
$0 < x \leq 10$	(d)	(i)	(n)
$10 < x \leq 20$	(e)	(j)	(o)
$20 < x \leq 30$	(f)	(k)	(p)
$30 < x \leq 40$	(g)	(l)	(q)
$40 < x \leq 50$	(h)	(m)	(r)
		(s) $n =$	(t) $\Sigma fx =$

2.2 Use the above table to draw a Histogram

(6) S1804



**QUESTION 3**

The data below represents the number of customers visiting different retail shops in a mall on a specific day.

113	113	117	118	121	123	133	141	143	147
147	161	163	167	173	181	187	189	197	199

3.1 Complete the stem-and-leaf diagram below:

(6) S1803


3.2 Calculate the 43<sup>rd</sup> percentile.

(3) S1807

3.3 Calculate the 4<sup>th</sup> decile.

(3) S1807

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