

YEAR 7 TEST 9A

1 a Stem-and-leaf plot

b i 168 cm

ii 131 cm

c $5 + 4 + 7 + 4 = 20$ students

2

Score	Tally	Frequency
0		3
1		7
2		10
3		14
4		4
5		2
	Total	40

a 14

b 40

c $\frac{4}{40} = \frac{1}{10}$

3 a 20 iceblocks

b i Tuesday

ii Friday

c Public holiday (for example Easter Friday)

d $7 + 9\frac{1}{2} + 4\frac{1}{2} + 7\frac{1}{2}$
 $= 28.5$

and $28.5 \times 20 = 570$ iceblocks

\therefore profit = 570×10 cents
 $= 5700$ cents
 $= \$57$

4 a Magazines

b Time spent on Pay TV, etc.,

$$= 9 + 4\frac{1}{2} + 3 + 2$$

$$= 19\frac{1}{2} \text{ hours}$$

whereas time spent on regular television is 20 hours.

\therefore True.

c 17 hours per week

5 Average

$$= \$ \frac{11 + 15 + 5 + 10 + 12 + 15 + 13 + 12 + 7 + 10}{10}$$

$$= \$ \frac{110}{10}$$

$$= \$11$$