

① IQR  
 Meriam's turkey:  $Q3 = 9$   $9 - 5 = 4$   
 $Q1 = 5$

IQR  
 Osceda's turkey:  $Q3 = 11$   $11 - 6 = 5$   
 $Q1 = 6$

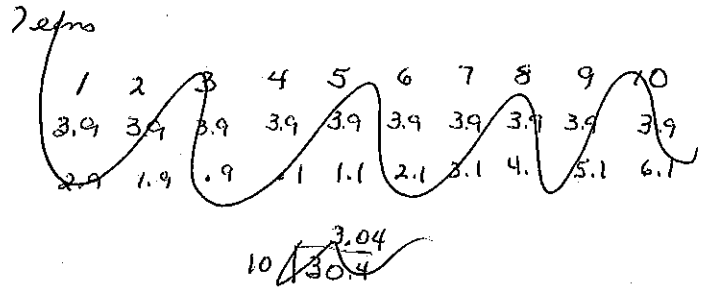
There is a greater variance in the beard lengths of Osceda's turkeys.

② Teens

$$\begin{array}{r} 2 \cdot 1 = 2 \\ 2 \cdot 2 = 4 \\ 1 \cdot 3 = 3 \\ 1 \cdot 4 = 4 \\ 2 \cdot 5 = 10 \\ 1 \cdot 7 = 7 \\ \hline 1 \cdot 10 = 10 \\ \hline 10 \quad 39 \\ \hline 10 \overline{)39} \\ \underline{30} \\ 9 \end{array}$$

Adults

$$\begin{array}{r} 1 \cdot 1 = 1 \\ 2 \cdot 3 = 6 \\ 3 \cdot 4 = 12 \\ 2 \cdot 7 = 14 \\ 1 \cdot 8 = 8 \\ 1 \cdot 9 = 9 \\ \hline 10 \quad 50 \\ \hline 10 \overline{)50} \\ \underline{50} \\ 0 \end{array}$$



~~Teens 2 2 4 4~~

③

Teens	1	1	2	2	3	4	5	5	7	10
MEAN	4	4	4	4	4	4	4	4	4	4
	3	3	2	2	1	0	1	1	3	6

$$10 \overline{)22} \quad \text{MAD} = 2.2$$

Adults

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

$$10 \overline{)22} \quad \text{MAD} = 2.2$$

④ MAD MULTIPLE

$$2.2n = 5 - 4$$

$$\frac{2.2n}{2.2} = \frac{1}{2.2}$$

$$n = .45$$

⑤ There is significant overlap because the multiple is less than 1.