

Name: _____

Show work needed to justify your answer.

Date: _____

HW: # 27: Math IBSL - Standard 26 - Scatter Diagrams

5 points

- 3 SCUBA divers have maximum dive times they cannot exceed when going to different depths. This table shows the times for certain depths.

| | | | | | | |
|------------|----|----|----|----|----|----|
| Depth (m) | 18 | 21 | 24 | 27 | 30 | 33 |
| Time (min) | 55 | 45 | 35 | 25 | 22 | 15 |

- Show this data on a scatter diagram.
- Describe the correlation.
- Copy and complete the sentence.
As the maximum depth the time at that depth

- 5 Yumi has a new kitten. This table shows the age and weight of the kitten for its first eight weeks.

| | | | | | | | | |
|-------------|------|------|-----|------|------|---|-----|-----|
| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Weight (kg) | 0.25 | 0.35 | 0.5 | 0.66 | 0.73 | 1 | 1.2 | 1.3 |

- Show this data on a scatter diagram.
- Describe the correlation.
- What happens to the weight of the kitten as it gets older?