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

a Show this data on a scatter diagram.

b Describe the correlation.

c Copy and complete the sentence.
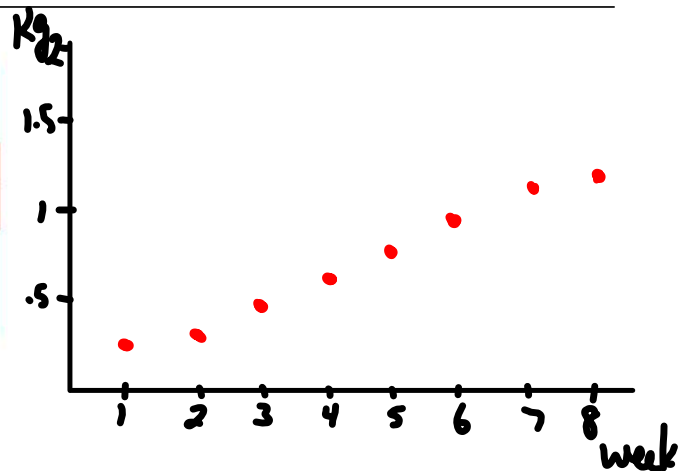As the maximum depth .... the time at that depth ....
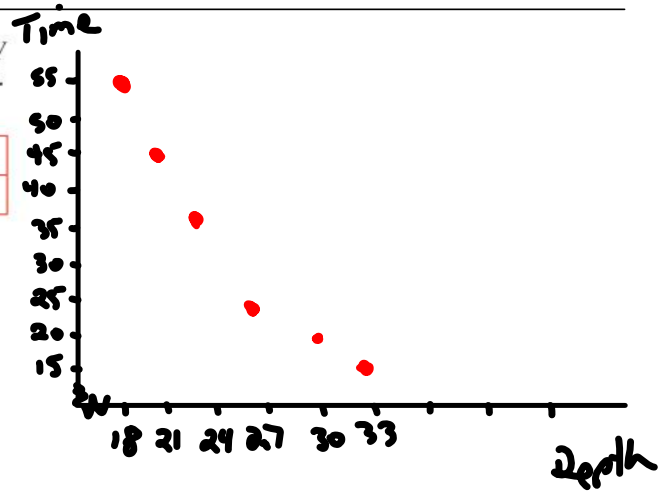
b) Strong, Negative, Linear

c) increases
Decreases.

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

a Show this data on a scatter diagram.

b Describe the correlation.

c What happens to the weight of the kitten as it gets older?

b) Positive, strong, Linear

c) As kitten gets older, weight increases.