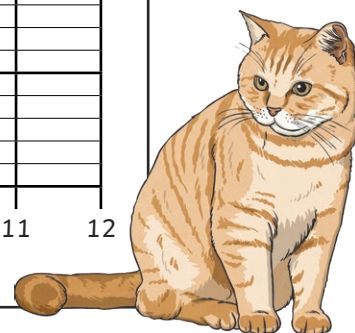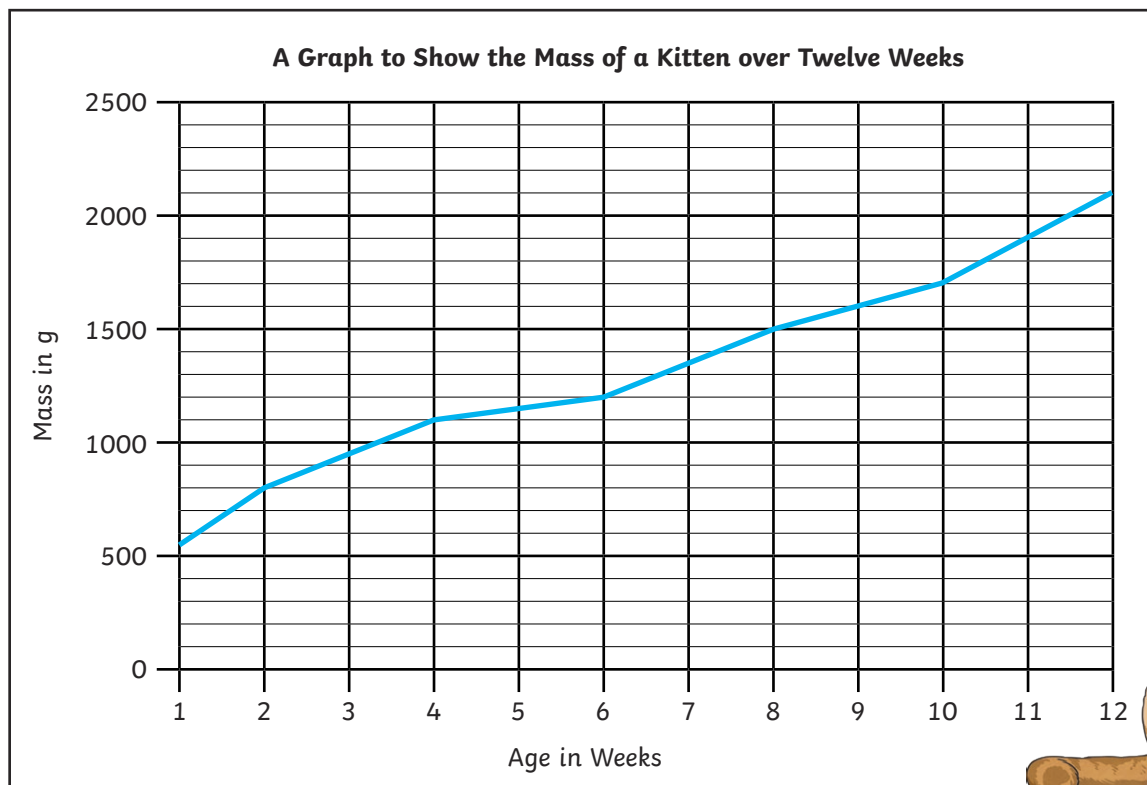**1)** **a)** What was the mass of the kitten at 4 weeks old? _____

 b) How much did the mass of the kitten increase between weeks 6 and 8? _____

 c) In which week did the mass of the kitten increase the most? _____

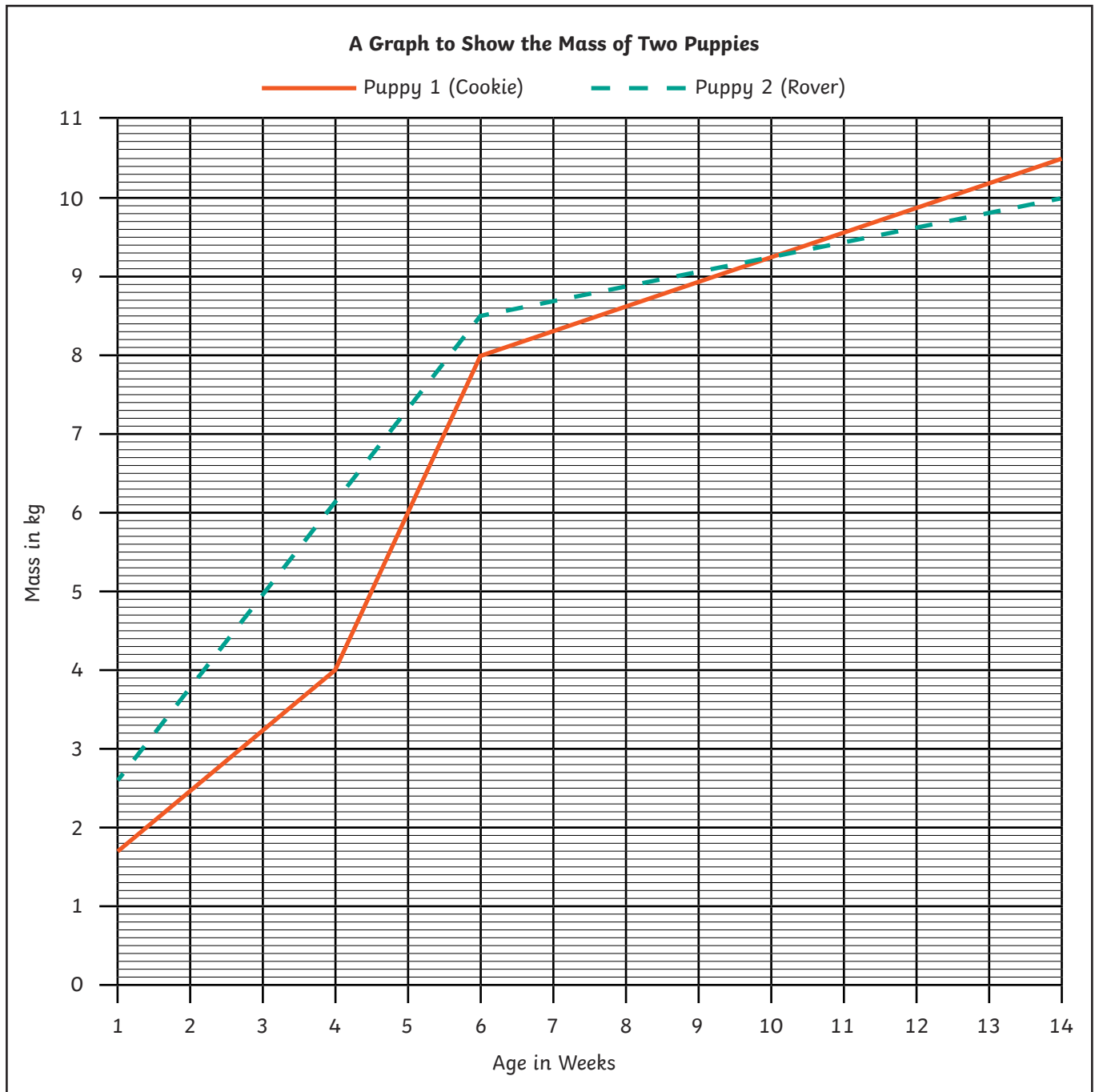 **d)** How many weeks did it take for the kitten to double its mass from week one? _____

A Graph to Show the Mass of a Kitten over Twelve Weeks

2) Add kitten 2's mass to the line graph using the following data.

Week	1	2	3	4	5	6	7	8	9	10	11	12
Mass of kitten 2 (g)	400	750	1000	1200	1300	1350	1450	1500	1600	1700	1800	1850

1) **a)** At what ages did each puppy reach 6kg? _____

b) What is the combined mass of the puppies at 8 weeks old? _____

c) What is the difference between the combined mass of the puppies at week one and the combined mass of the puppies at 14 weeks? _____

d) What is the total mass gained by both puppies from week 1 to week 6? _____

A Graph to Show the Mass of Two Puppies

— Puppy 1 (Cookie)   – – Puppy 2 (Rover)

Mass in kg

Age in Weeks

2) Greg says, "The puppies have a combined mass of 9.5kg at week 11." What mistake has he made? What should he do instead?

_____

_____

_____

1200 ────────────────────────────

1000 ────────────────────────────

Distance (m)

800 ────────────────────────────

600 ────────────────────────────

400 ────────────────────────────

200 ────────────────────────────

0 ────────────────────────────

5   10   15   20   25   30   35   40

Time (mins)

────── _____   ········· _____
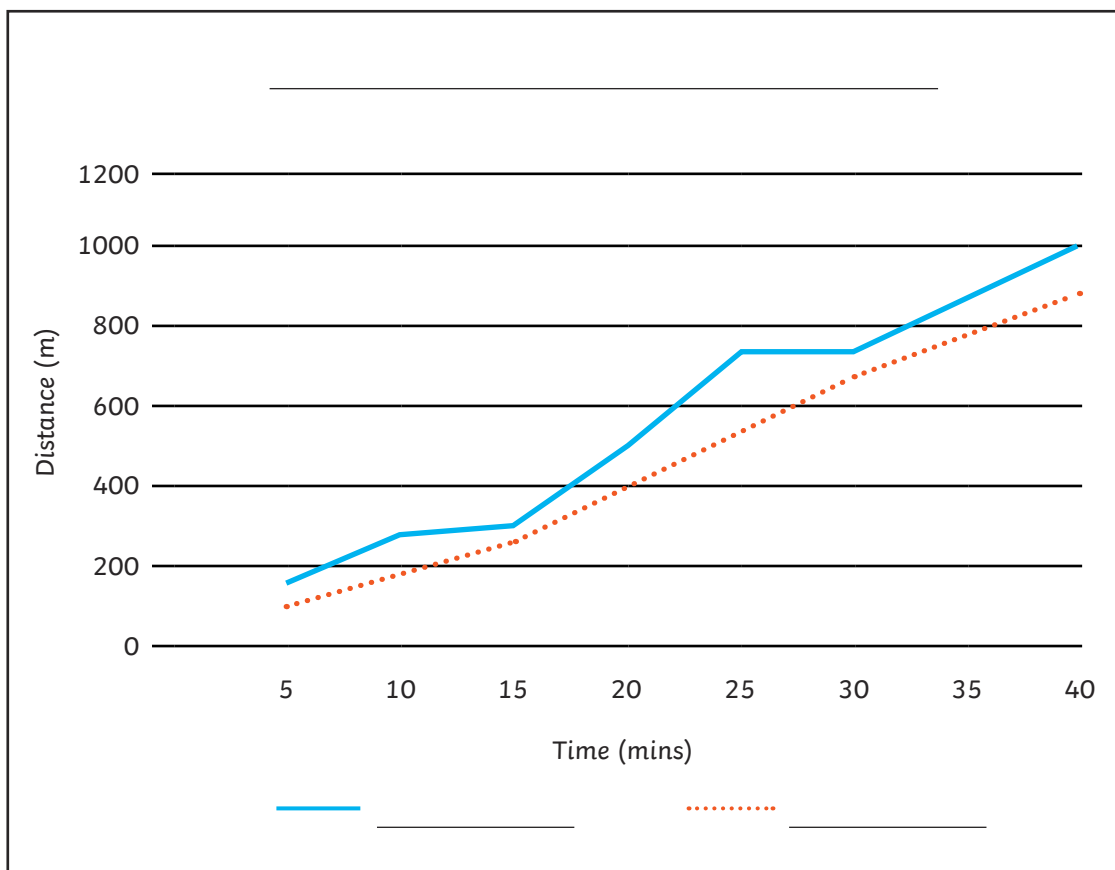
1) What pet-related activity could this show?

_____

Label the key to show what the two lines represent and add a title.

2) Write a story to match the blue line on the graph.

_____

_____

_____

_____