

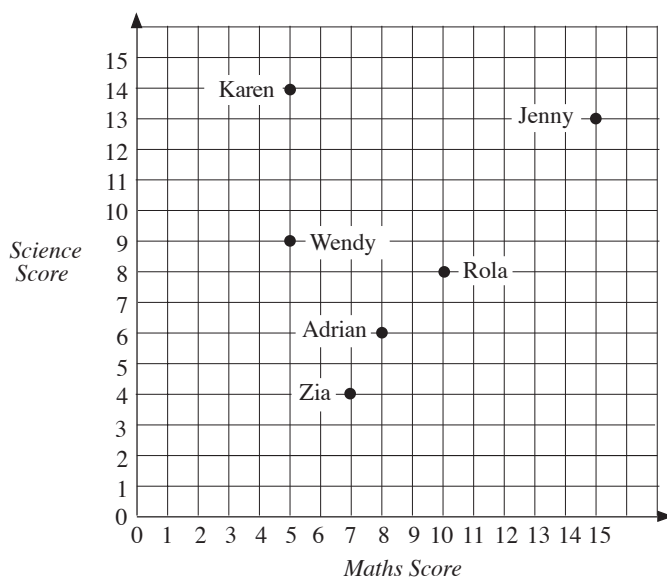
SKE Primary: Foundation Strand

Answers to Exercises

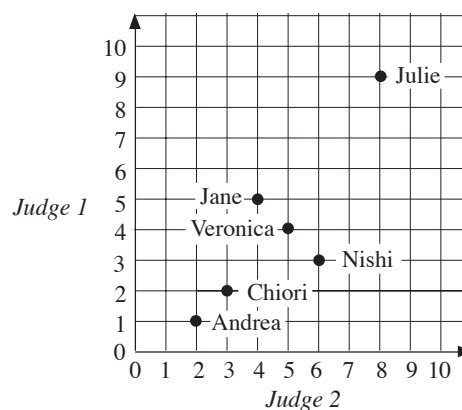
Unit 4 Graphs

4.1 Scatter Graphs

1. (a) (i) 25 miles (ii) £40 (b) Rory, Halim (c) Prakesh
 (d) Money $\div$ distance i.e. $\pounds 10 \div 5 = \pounds 2$ (e) $40 \div 5 = \pounds 8$ (f) £26
 (g) 23 miles
 (h) Generally yes, but there are exceptions such as Sally and Sunniva
2. (a) (i) 11 years (ii) £4 (b) Ben, Chris (c) Kristian, Chris
 (d) Matthew (e) Chris (f) Matthew (g) Tim
 (h) Rana
 (i) (This question requires pupils to construct an argument using data given in the scatter graph.)
 He could compare himself with children of a similar age like Tim and Chris: £4.
3. (a) Stewart (b) Frederick (c) Alison (d) Robin
 (e) Stewart and Tony (f) Gita (g) Alison, Tony, Stewart
4. (a) Pete (b) Jan (c) Heidi (d) Esther (e) Jan (28)
 (f) Liz and Jai (10)



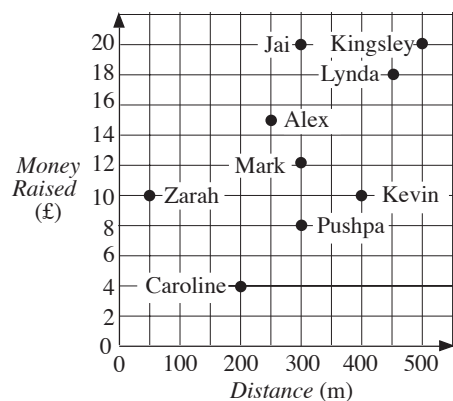
5. (a) Highest: Julie (17 points)
 (b) Second: Jane, Nishi and Veronica (9 points each)



4.1

Answers to Exercises

6. (a)



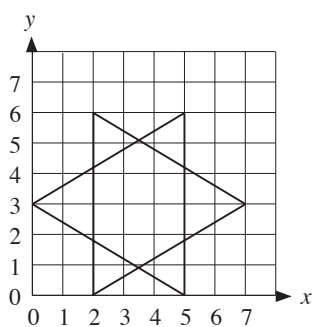
(b) "more"

4.2 Plotting Points

1. A (1, 1), B (4, 8), C (10, 4)

2. (a) (16, 3) (b) (13, 13) (c) (20, 6) (d) (5, 10) (e) (2, 17)
 (f) (15, 17) (g) (10, 18) (h) (5, 4) and (5, 5)

3. (a) and (b)



(c) Shape is a star

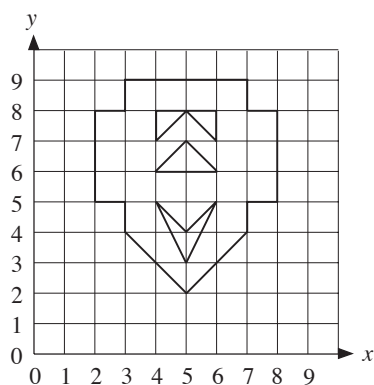
4. Join these points in order:

(a) (1, 3), (1, 8), (2, 9), (7, 9), (8, 8), (8, 3), (7, 2), (2, 2), (1, 3)

(b) Then join these points to form one dot (4, 5), (4, 6), (5, 6), (4, 5)

Shade the square in the centre.

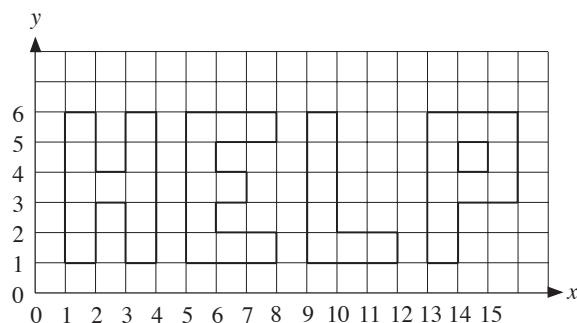
5.



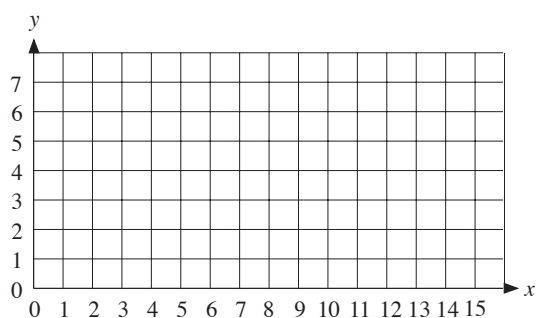
4.2

Answers to Exercises

6.



7. (a) For this question you will need a grid like this.



Join each set of points in order, to create the initials of someone's name.

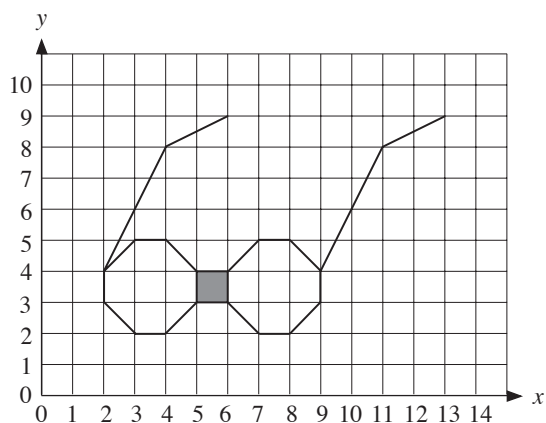
(a) J: (1, 7), (6, 7), (6, 6), (4, 6), (4, 1), (1, 1), (1, 3), (2, 3), (2, 2), (3, 2)
(3, 6), (1, 6), (1, 7)

Dot: (6, 2), (7, 2), (7, 1), (6, 1), (6, 2)

C: (8, 7), (13, 7), (13, 5), (12, 5), (12, 6), (9, 6), (9, 2), (12, 2), (12, 3)
(13, 3), (13, 1), (8, 1), (8, 7)

Dot: (14, 2), (15, 2), (15, 1), (14, 1), (14, 2)

8.

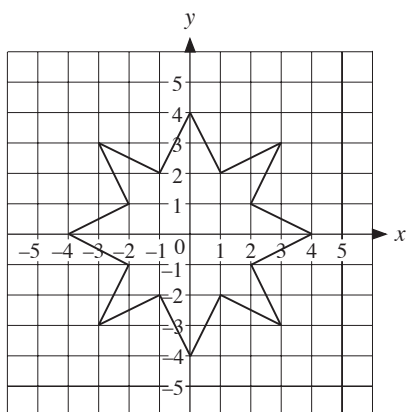


(d) Additional points: (5, 4), (4, 5), (3, 5),
(2, 4), (2, 3), (3, 2), (4, 2), (5, 3),
and (9, 4), (11, 8), (13, 9)
or (9, 4), (7, 8), (5, 9)

4.3 Coordinates

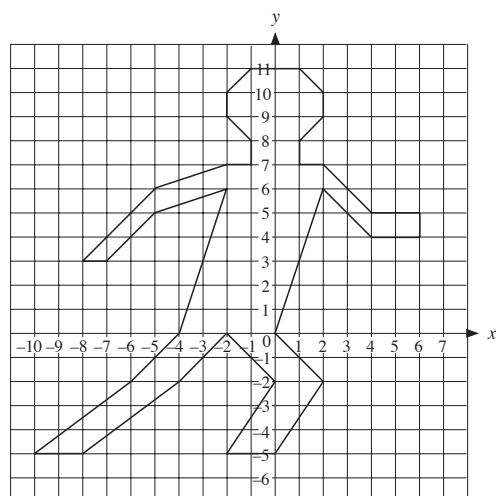
1. (a) (i) (2, 3) (ii) (4, -4) (iii) (-5, -3)
(iv) (-5, 4) (v) (-3, -1)
(b) Tennis court; camp site (c) He would have to pass through the sea

2.



3.
 - (a) $(-6, -2)$, $(-6, -4)$, $(-4, -4)$, $(-4, -2)$
 - (b) Left foot on white square.
 - (i) Left on white, right on black
 - (ii) Both on white,
 - (iii) Left on white, right on black
 - (iv) Left on playground, right on black,
 - (v) Left on black, right on white

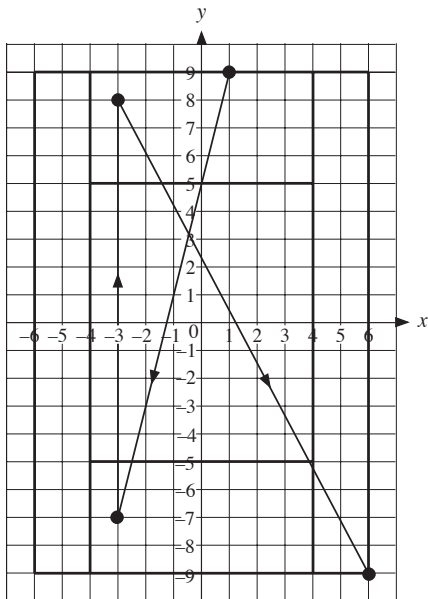
4.



4.3

Answers to Exercises

5.



6.

