Poles and Spaces Ex. 1

1) 30 poles, each 3 metres from the next, are in a straight line. Calculate the distance from the

    a) 1st to 30th pole;_____metres

    b) 1st to 25th pole;_____metres

    c) 1st to 10th pole;_____metres

    d) 6th to 30th pole;_____metres

    e) 3rd to 15th pole;_____metres

    f) 21st to 29th pole;_____metres

2) 22 poles, each 4 metres from the next, are arranged to form a circle. What is the distance from

    a) the 1st to the 14th pole;_____metres

    b) the 1st to the 19th pole;_____metres

    c) the 1st to the 8th pole;_____metres

    d) the 10th to the 22nd pole;_____metres

    e) the 2nd to the 17th pole;_____metres

    f) the 3rd to the 9th pole?_____metres

    g) What is the circumference (the distance all around) of the circle?_____m

3) There are 33 palm trees, each 5 metres from the next, forming a circle. What is the circumference of the circle?_____metres