OXFORD TUTORS

PER ASPERA AD ASTRA

ENGAA Mock Paper 1 Walkthrough
SECTION 1 – Part A

Question 1

1 In a room full of people, 40% are women.

Some of these people are left-handed, 6 of which are women.

If half of the women in the room are left-handed, how many people in the room in total?

A) 12

B) 15

C) 18

D) 24

E) 28

F) 30

G) 60

H) None of these

Question 1 - solution

Let x = number of people in the room

$x \times 0.4$ = number of women

$(x \times 0.4) \times 0.5$ = number of LEFT-HANDED women

$= 6$

$x = \dfrac{6}{0.4 \times 0.5} = \dfrac{6}{0.2} = \dfrac{60}{2} = 30$

The correct answer is (f)