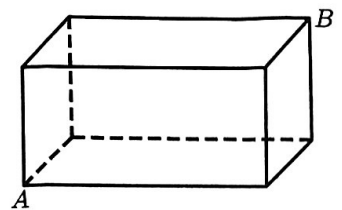**2** A natural number greater than 10 leaves a remainder of 2 when divided by 3, a remainder of 4 when divided by 5, and a remainder of 6 when divided by 7.

(1) The smallest three-digit number that meets these conditions is _____ .

(2) The largest three-digit number that meets these conditions is _____ .

4 The smallest natural number that, when divided by 3 leaves a remainder of 2, when divided by 5 leaves a remainder of 3, and when divided by 7 leaves a remainder of 4 is _____ .

3 As shown below, the length, the width, and the height of the cuboid are 6 m, 4 m, and 4 m, respectively. James the Ant climbs on the surface of the box from vertex A to vertex B. The length of the shortest route is _____ m.

(2) The perimeter of the sector is _____ ; the area of the sector is _____ .
($\pi \approx 3$)

$r = 6$