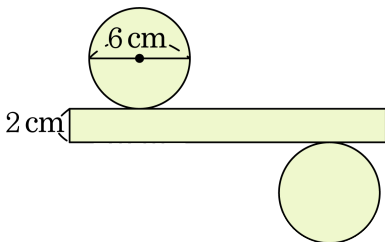


1. 그림의 전개도로 만든 원기둥의 겉넓이를 구하시오.



▶ 답: cm^2

▶ 정답: 94.2 cm^2

해설

$$\begin{aligned}(\text{원기둥의 겉넓이}) &= (\text{밑넓이}) \times 2 + (\text{옆넓이}) \\&= 3 \times 3 \times 3.14 \times 2 + 6 \times 3.14 \times 2 \\&= 56.52 + 37.68 = 94.2(\text{cm}^2)\end{aligned}$$

2. 밑면의 반지름이 10 cm 이고, 높이가 12 cm 인 원기둥의 겉넓이를 구 하시오.

▶ 답 : cm²

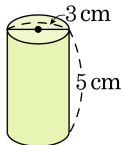
▷ 정답 : 1381.6 cm²

해설

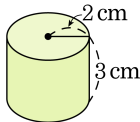
$$\begin{aligned}& \text{(원기둥의 겉넓이)} \\&= (\text{한 밑면의 넓이}) \times 2 + (\text{옆넓이}) \\&= (10 \times 10 \times 3.14) \times 2 + 10 \times 2 \times 3.14 \times 12 \\&= 628 + 753.6 = 1381.6(\text{cm}^2)\end{aligned}$$

3. 다음 중 부피가 가장 큰 것은 어느 것입니까?

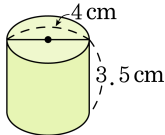
①



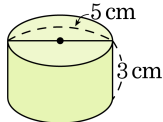
②



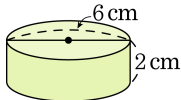
③



④



⑤



해설

① $1.5 \times 1.5 \times 3.14 \times 5 = 35.325(\text{cm}^3)$

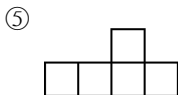
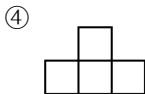
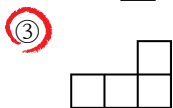
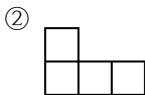
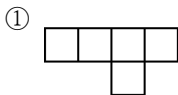
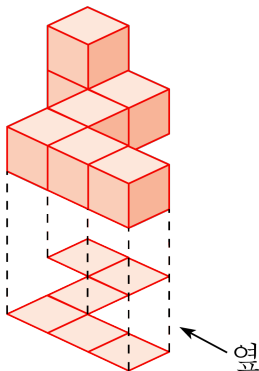
② $2 \times 2 \times 3.14 \times 3 = 37.68(\text{cm}^3)$

③ $2 \times 2 \times 3.14 \times 3.5 = 43.96(\text{cm}^3)$

④ $2.5 \times 2.5 \times 3.14 \times 3 = 58.875(\text{cm}^3)$

⑤ $3 \times 3 \times 3.14 \times 2 = 56.52(\text{cm}^3)$

4. 쌓기나무로 다음과 같은 모양을 만들었습니다. 옆에서 본 모양을
바르게 그린 것은 어느 것입니까?



해설

화살표 방향으로 보면 왼쪽에서부터 차례로 1층, 1층, 2층으로
보입니다.

5. 공책 4권을 600원에 샀습니다. 1500원을 가지면 이 공책을 몇 권 살 수 있는지 구하시오.

▶ 답: 권

▷ 정답: 10권

해설

1500원으로 살 수 있는 공책을 □권이라 하면

$$4 : 600 = \square : 1500$$

$$1 : 150 = \square : 1500$$

$$150 \times \square = 1500$$

$$\square = 1500 \div 150$$

$$\square = 10(\text{권})$$