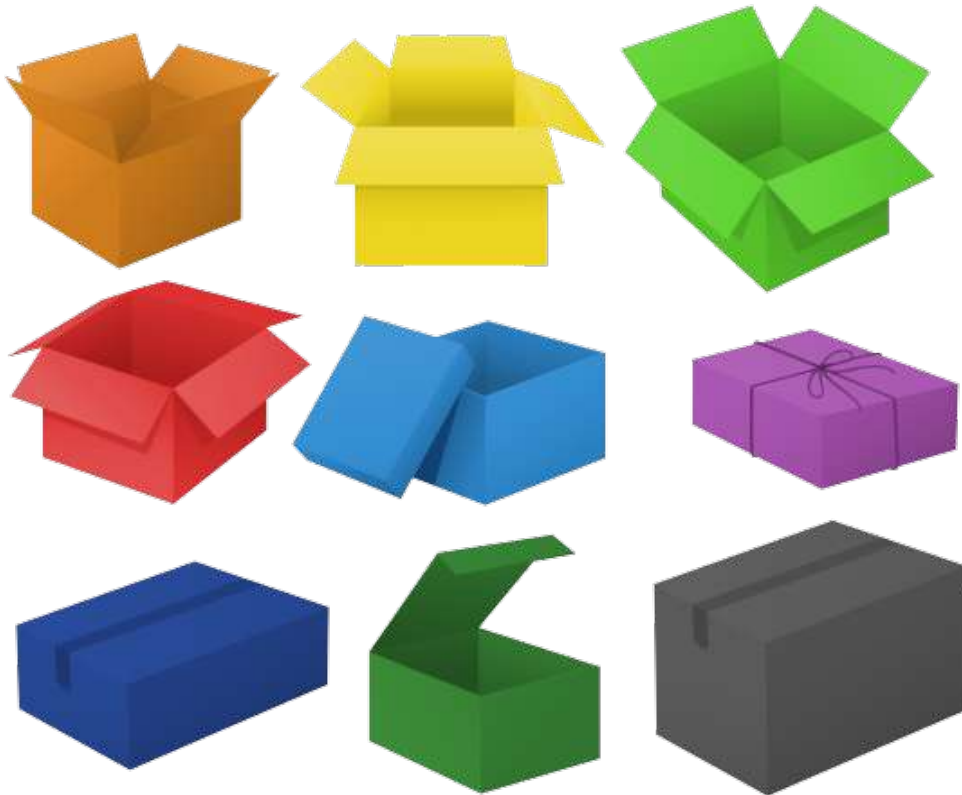


Mitt hefte om volum - 1



Volum er et mål for størrelsen av en romlig figur.

Volumet beskriver hvor mye en figur fyller.

Volum forkortes med V.

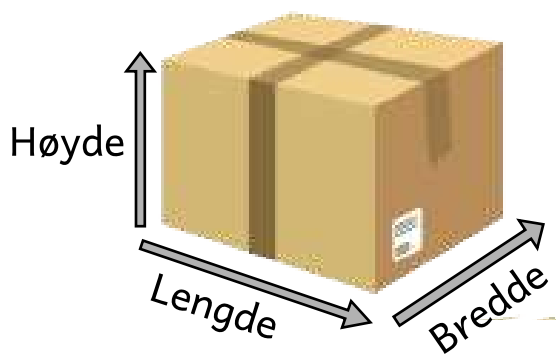
Volumet blir målt i kubikk (cm³ eller m³).

Navn og klasse: _____

Volum

Volum regnes ut på forskjellige måter, alt etter hvilken figur det er. I de første par oppgavene, skal vi regne ut volumet av en kasse. Det gjør man ved å si:

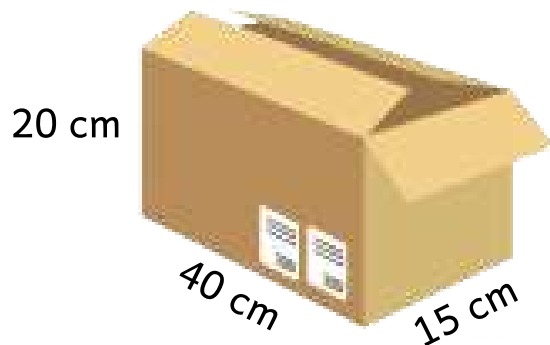
$$(L) \text{ lengde} \times (B) \text{ bredde} \times (H) \text{ høyde} = V \text{ (volum)}$$



$$L \times B \times H = V$$

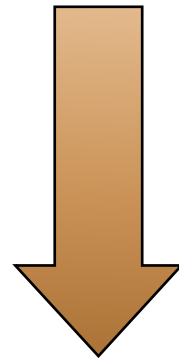
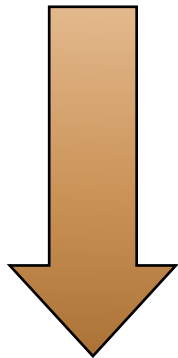
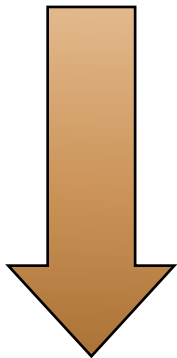
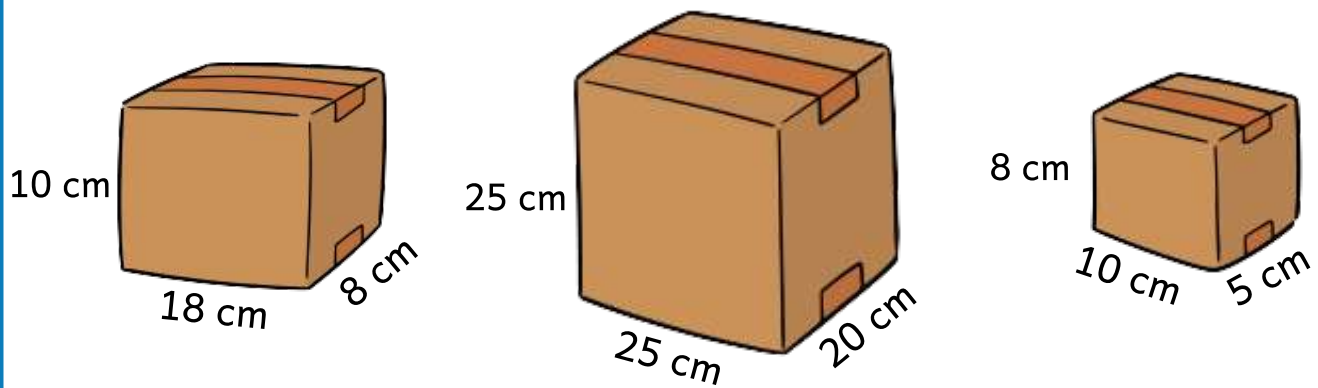
Prøv selv:

Vis hvordan du regner:



Regn ut volumet

Regn ut volumet av kassene.



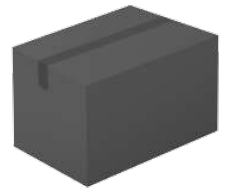
= cm³

= cm³

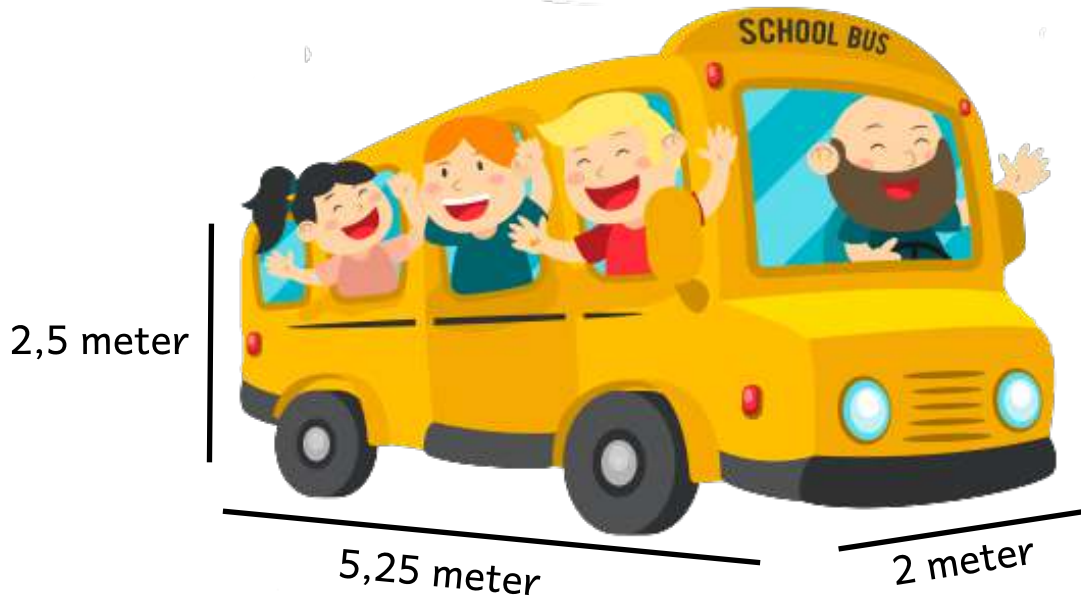
= cm³



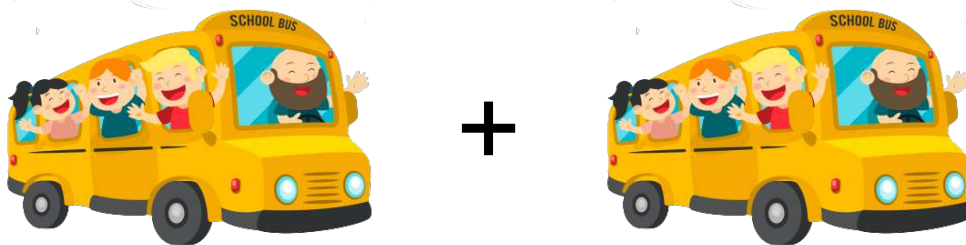
Volum



Regn ut volumet av bussen.

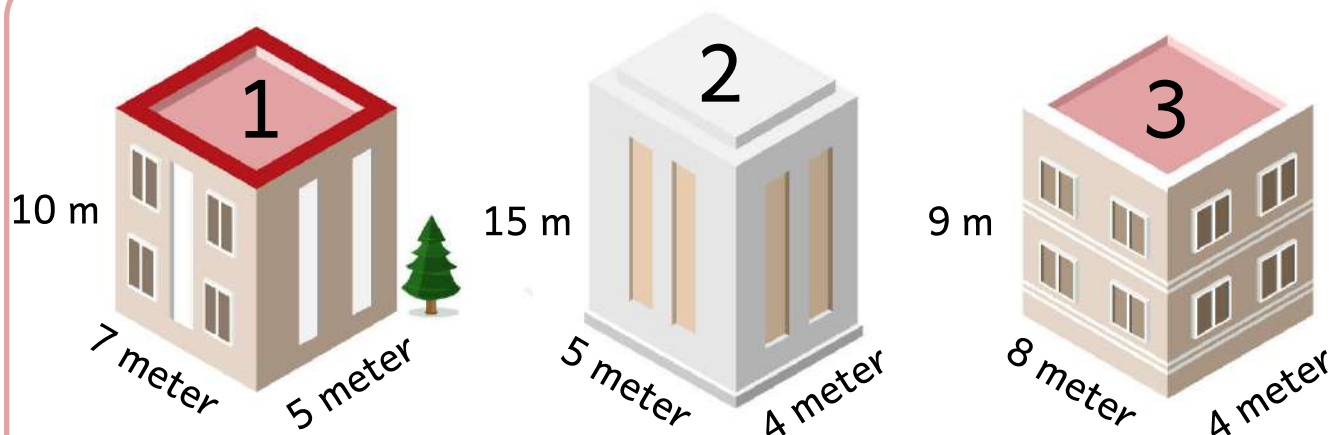


Volumet av bussen er:



Volumet av 2 busser er:

Hvilken er størst?



Hvilken bygning har det største volumet? Sett kryss.

Bygning 1

Bygning 2

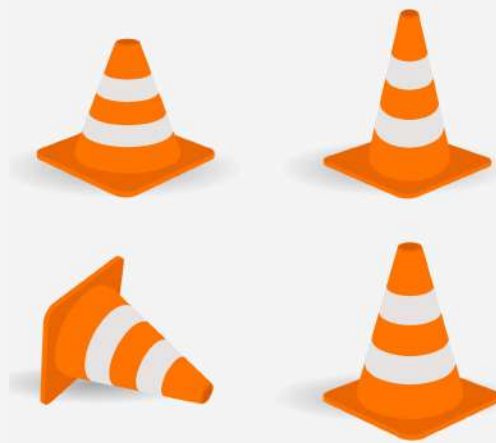
Bygning 3

De er like store

Volum

I de neste par oppgavene, skal vi beregne volum av en kjegle. Det gjør man ved å si:

$$\pi \times r \times r \times h : 3 = V$$

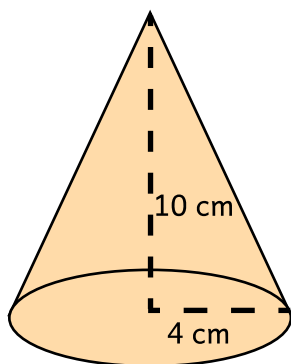


Få orden på begrebene:

Hva står π for?

Hva står r for?

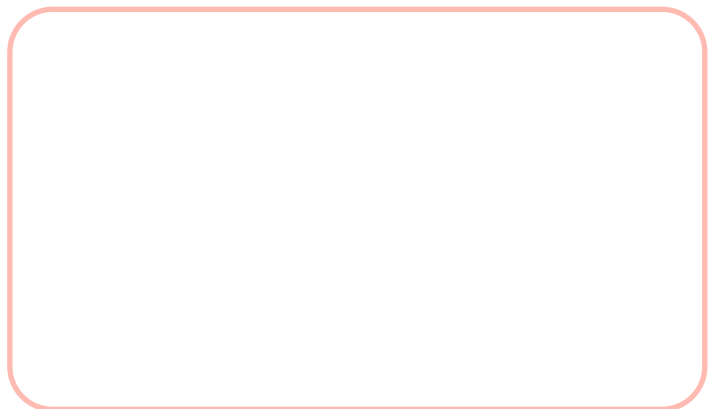
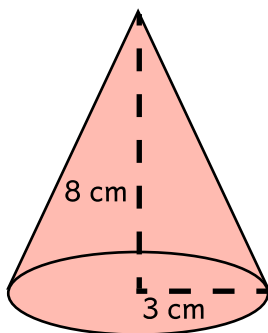
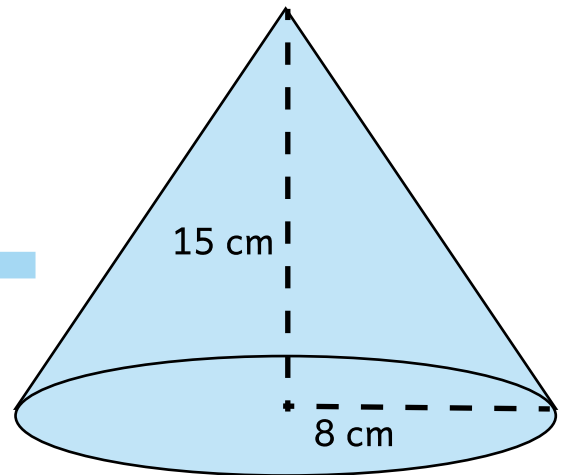
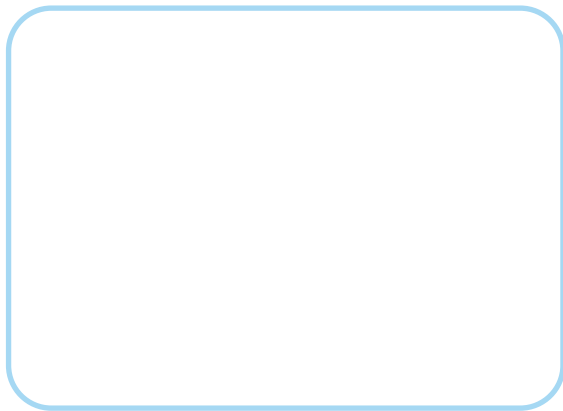
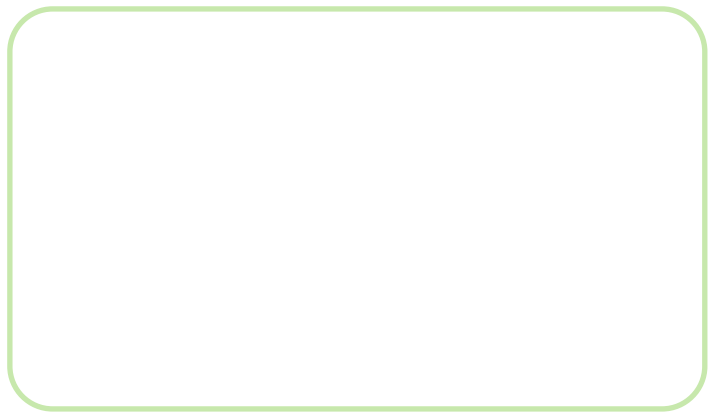
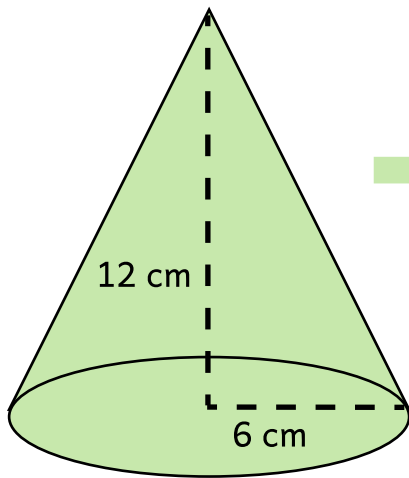
Regn ut volumet:



Vis hvordan du regner:

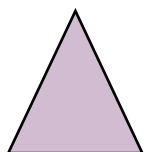
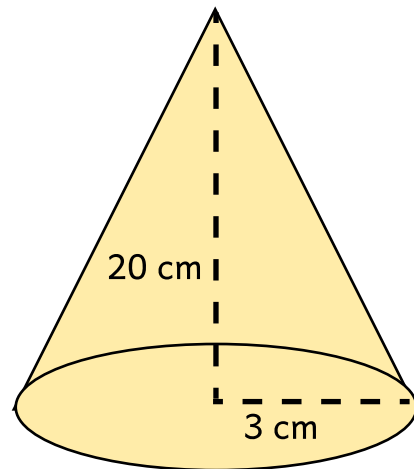
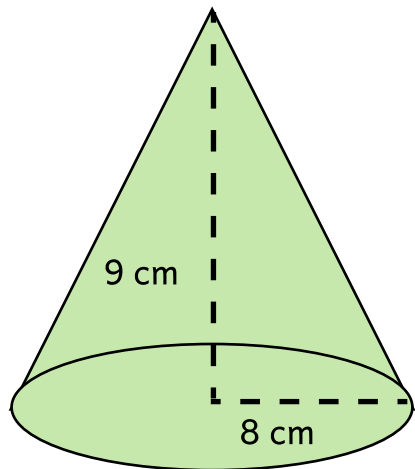
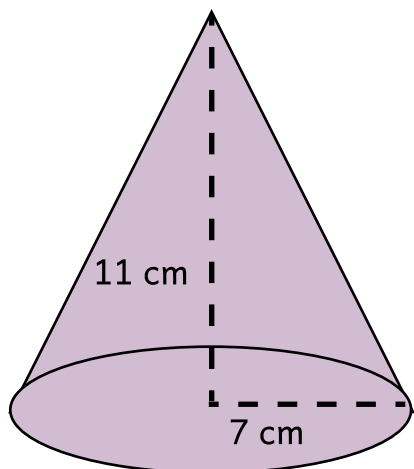
Volum

Regn ut volumet av kjeglene.

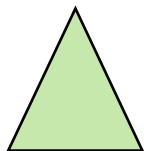


Volum

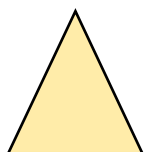
Hvilken kjege har det minste volumet? Sett kryss.



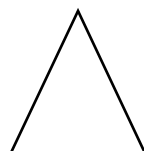
Den lilla kjegele er minst .



Den grønne kjegele er minst .



Den gule kjegele er minst.



Alle 3 har samme størrelse.

Volum

Regn ut volumet av is-kjeksene. Husk at det ene målet er diameteren, og du skal bruke radius for å regne ut volumet.



Volum

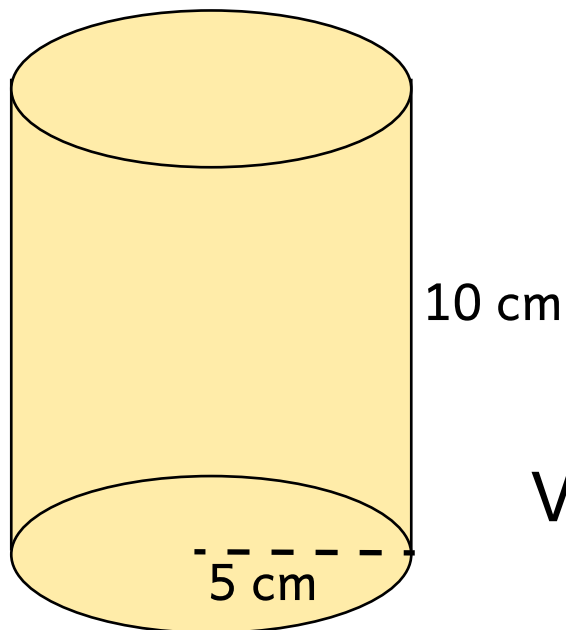
I de neste par oppgavene, skal vi regne ut volumet av en sylinder. Det gjør man ved å si:

$$\pi \times r \times r \times h = V$$

Altså, man finner først arealet av sirkelen, og deretter ganger det med høyden.



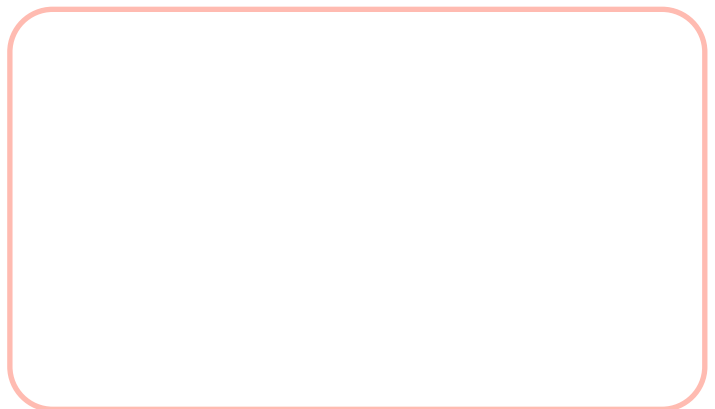
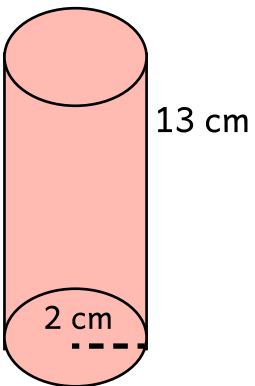
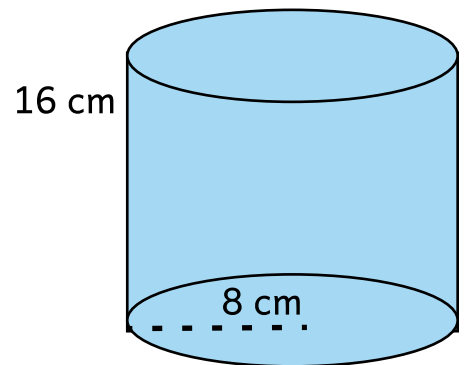
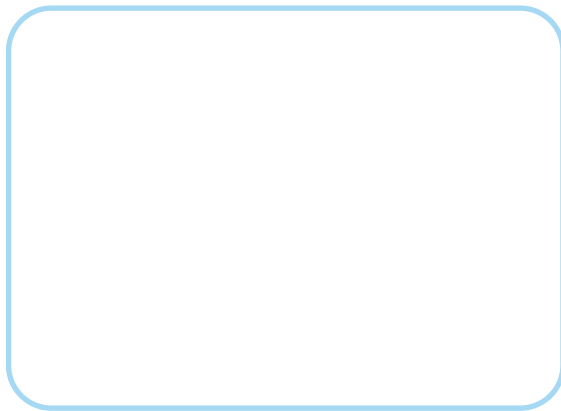
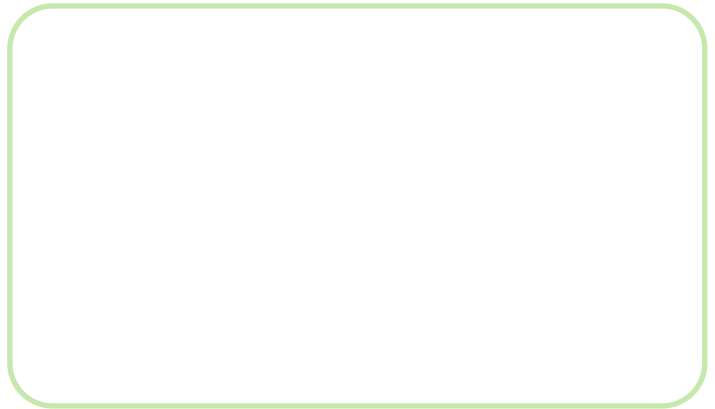
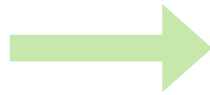
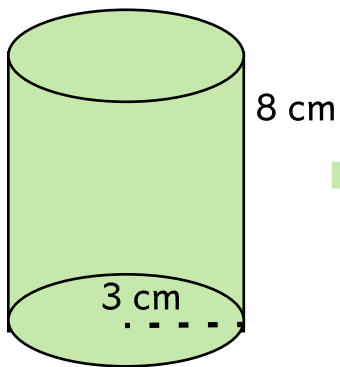
Prøv selv:



$$V = \underline{\hspace{10cm}}$$

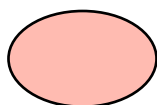
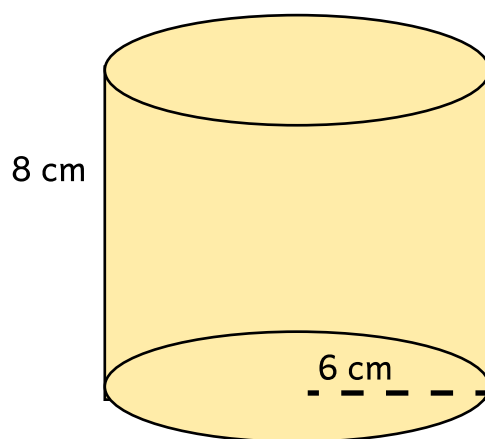
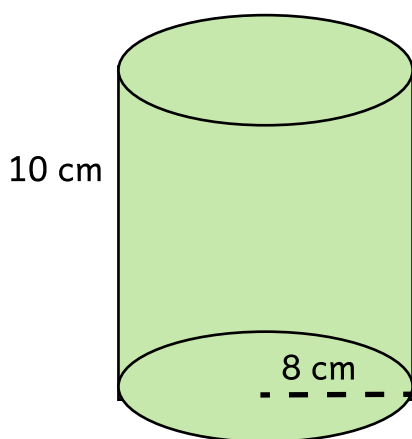
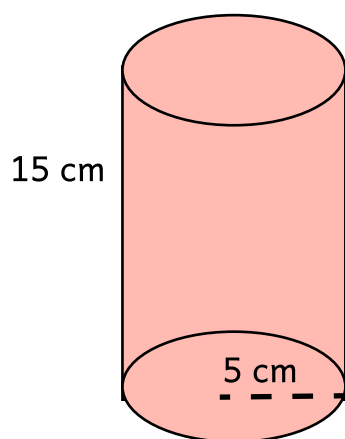
Volum

Regn ut volumet av sylindrerne.



Volum

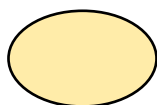
Hvilken sylinder har det største volumet? Regn ut og sett kryss.



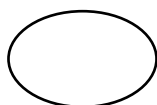
Den røde sylindere.



Den grønne sylindere.



Den gule sylindere.



Alle 3 har samme størrelse.

Volum

Hvilket søppelspann kan det være mest søppel i? Regn ut og sett kryss.

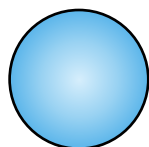
1



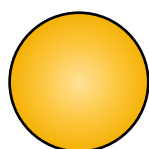
2



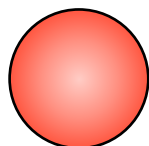
3



Søppelspann 1



Søppelspann 2



Søppelspann 3