

Identificando vistas en objetos



1 Si estuvieras en el lugar de Matías, ¿cómo verías la casa?

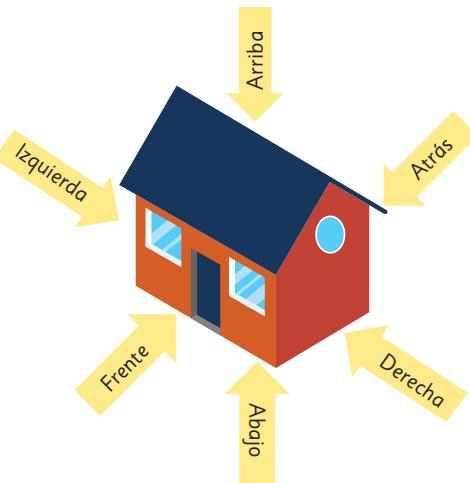


2 ¿Cómo se vería si estuvieras en el lugar de Juan, de Sofía, y de Ema?

Piensa cómo podrías averiguar la vista de esta casa si se usa un dron volando para grabar o fotografiar.



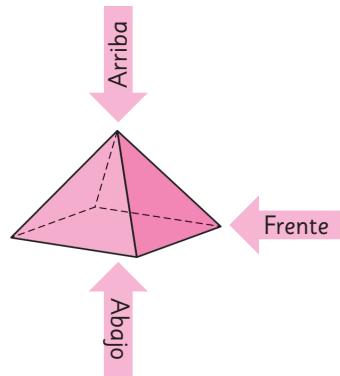
Las **vistas** son representaciones planas de cuerpos o de objetos. Usualmente se consideran 6 vistas: frente,atrás, derecha, izquierda, arriba y abajo.



Una vez que me dicen cuál es el frente, las otras vistas quedan determinadas.

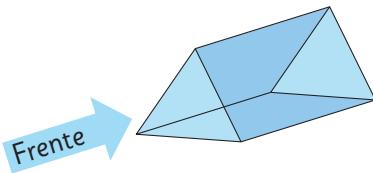


- 3 Observa la imagen de esta pirámide. ¿Cómo son las vistas indicadas? Dibújalas.

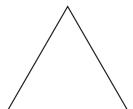


- 4 Sami lleva al colegio un chocolate con la forma que se muestra y dice que ese lado es el frente.

¿Qué vista corresponde a las imágenes que se muestran?



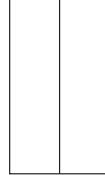
a)



b)



c)



- 5 Une cada vista con el cuerpo correspondiente. Considera que puede ser cualquiera de las vistas.



○



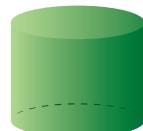
○



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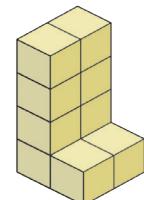
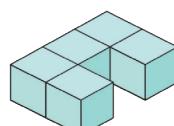
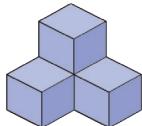
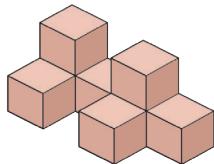
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- 6 Encierra la casa a la que corresponden las tres vistas que se muestran.

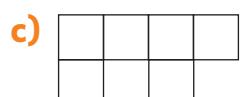
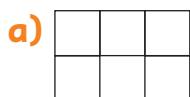
Vistas:



- 7 Ema y Juan construyen figuras usando cubos de madera.

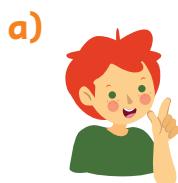


Considera las siguientes vistas desde arriba. Pinta con el color que se corresponda con la figura.

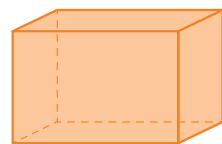
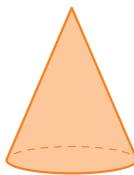
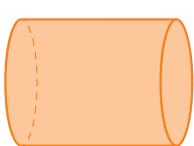


Practica

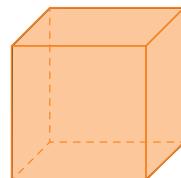
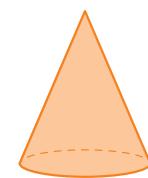
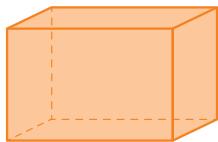
- 1 Encierra en cada caso el cuerpo que visualizan los niños.



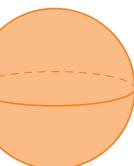
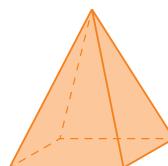
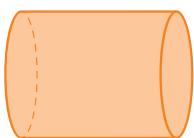
Desde el lado
veo un círculo.



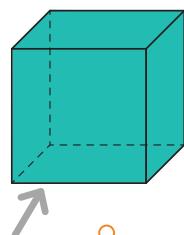
Desde arriba veo
un rectángulo.



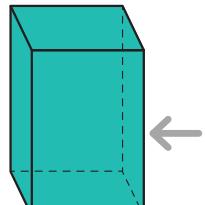
Desde el frente
veo un triángulo.



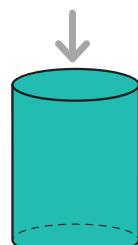
- 2 Une el cuerpo con la vista correspondiente indicada por la flecha.



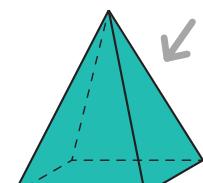
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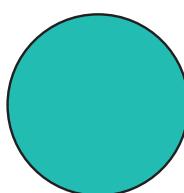
○



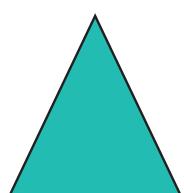
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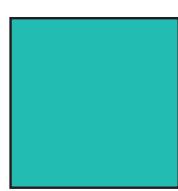
○



○



○

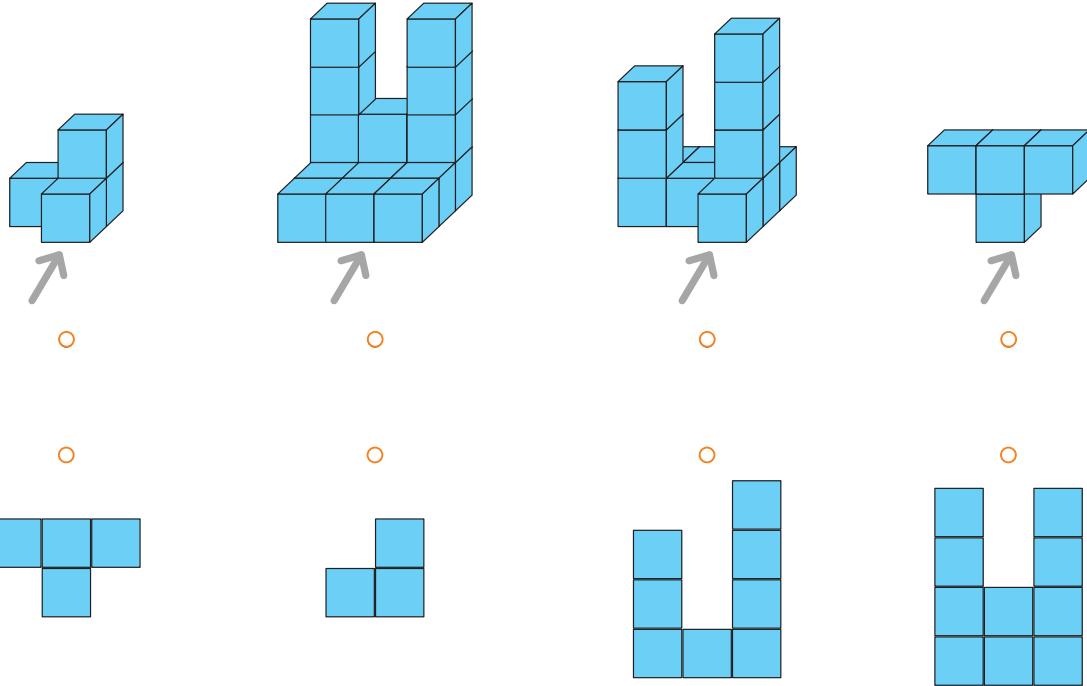


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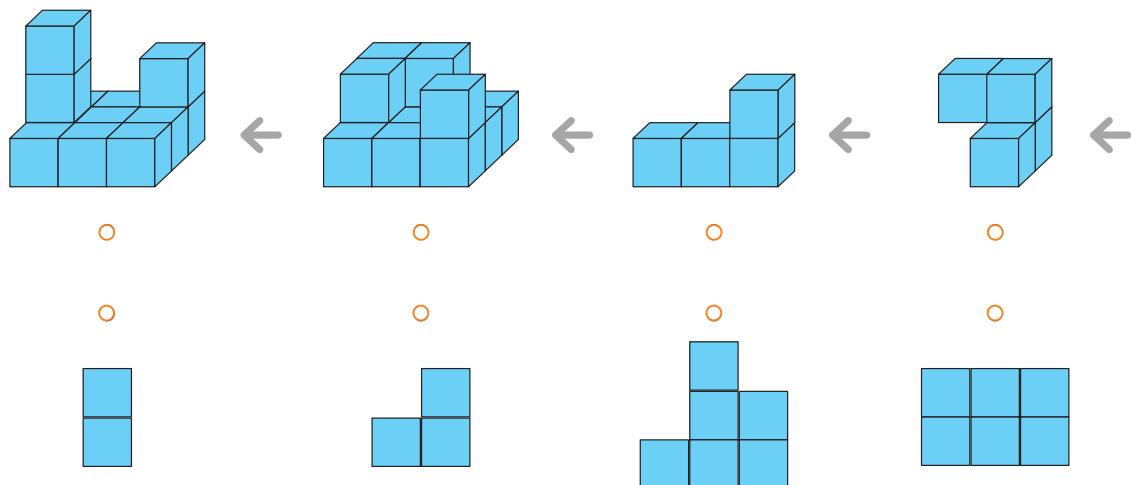


○

3 Une las figuras con su correspondiente vista desde el frente.



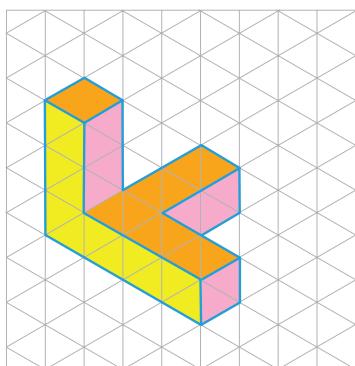
4 Une las figuras con su correspondiente vista desde el lado derecho.



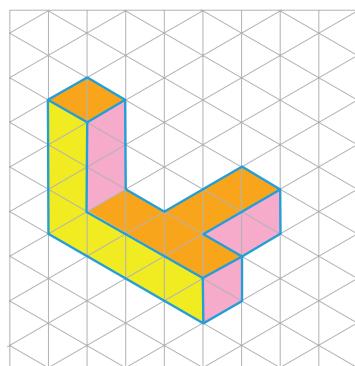


- 1 Juan y Ema dibujaron figuras formadas por cubitos y pintaron cada cara de color diferente para reconocer las vistas.

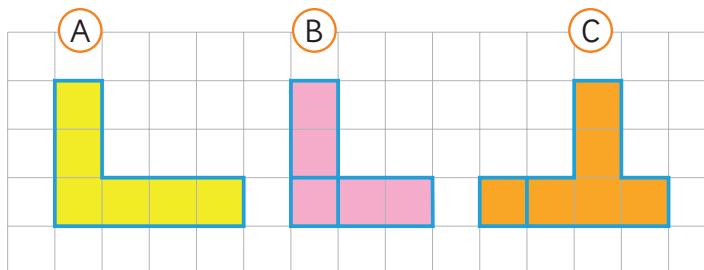
Dibujo de Juan



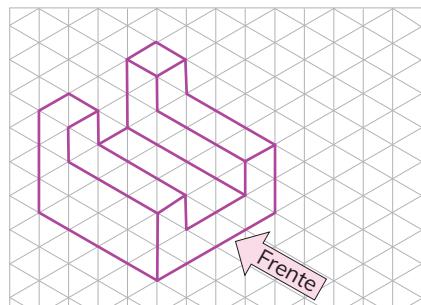
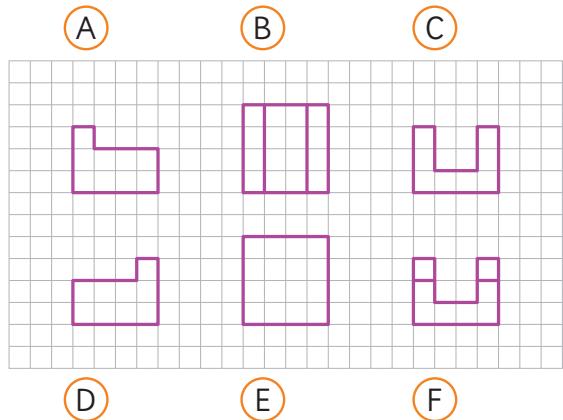
Dibujo de Ema



¿A cuál de los dibujos anteriores corresponden las siguientes vistas?



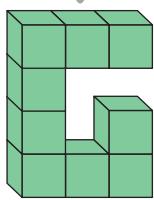
- 2 Observa la figura y luego escribe en la letra la vista a la que corresponde: de frente, del lado izquierdo, del lado derecho, de arriba, de abajo y de atrás.



Practica

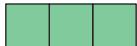
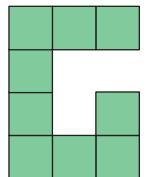
- 1 Escribe la letra en la vista que corresponde si es de frente **F**, si es de arriba **A** y si es de lado **L**.

a)

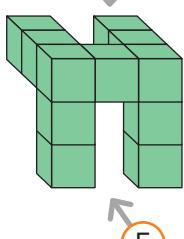


F

L

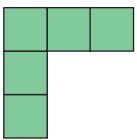
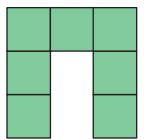


b)

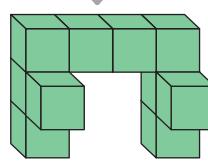


F

L

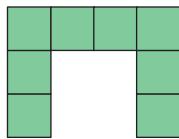
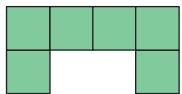


c)

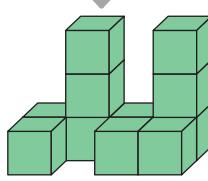


F

L

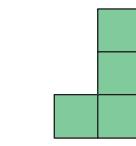
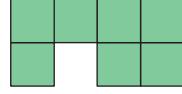


d)

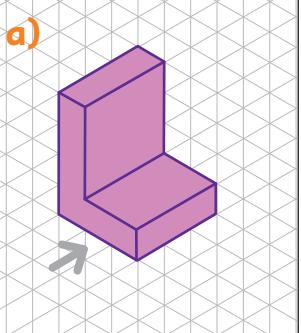
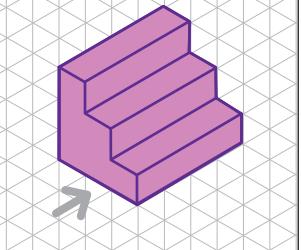
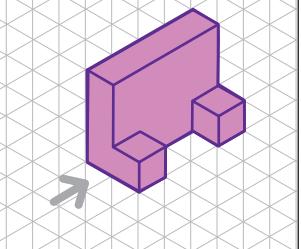
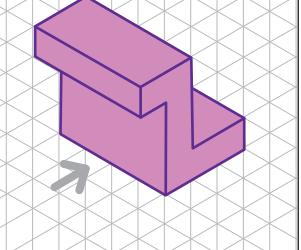


F

L



- 2 Dibuja las vistas indicadas. Considera que la flecha indica el frente de cada figura.

Figura	Vista desde arriba	Vista desde la derecha	Vista desde el frente																														
a)		<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>															
b)		<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>															
c)		<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>															
d)		<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																<table border="1"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>															

Ejercicios

1 Escribe el nombre del cuerpo geométrico que se corresponda con las vistas señaladas.

a) Vista de arriba Vista de frente Vista de lado



c) Vista de abajo Vista de frente Vista de lado



b) Vista de arriba Vista de frente Vista de lado

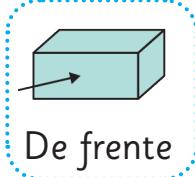


d) Vista de abajo Vista de frente Vista de lado



2 Para cada cuerpo geométrico, encierra la vista indicada por la flecha.

a)



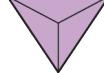
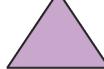
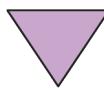
De frente



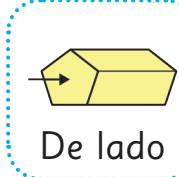
b)



De arriba



c)



De lado



d)

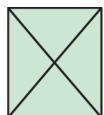
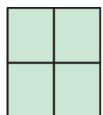
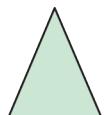
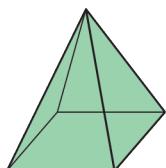


De frente



3

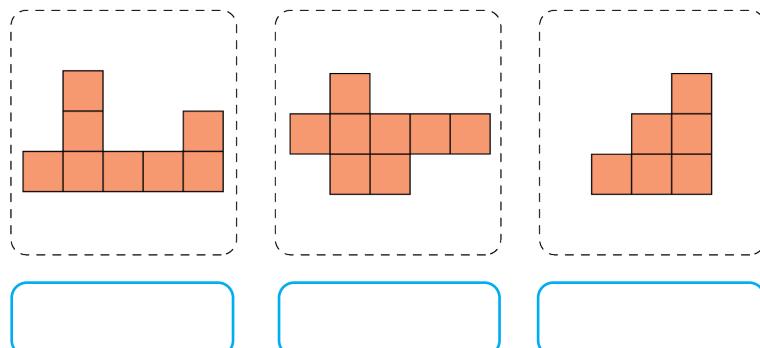
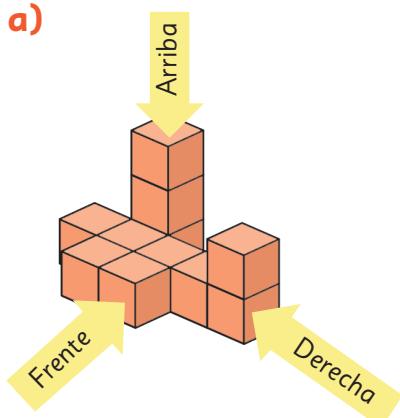
¿Qué observas desde arriba? Encierra la vista que corresponde.



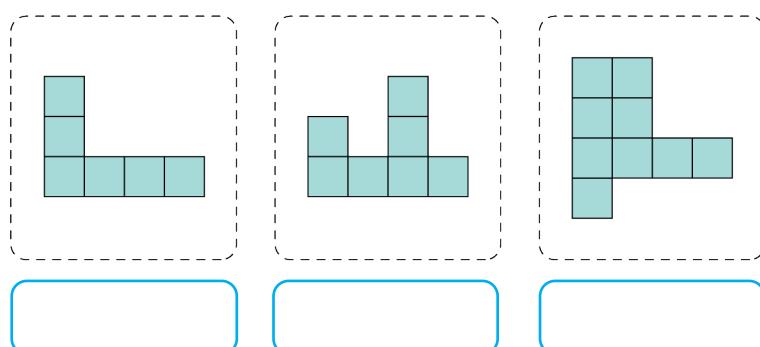
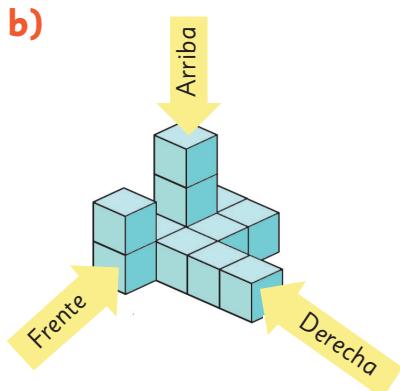
Problemas

- 1 Determina para cada figura sus vistas de frente, de arriba y del lado derecho.

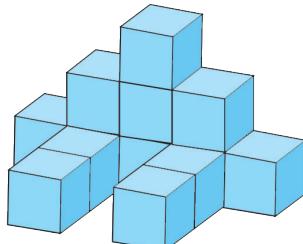
a)



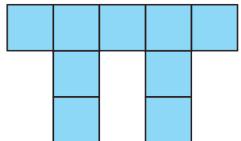
b)



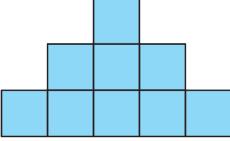
- 2 El robot sentado fue construido con cubos. Identifica las vistas desde el frente, desde arriba y desde el lado.



a)



b)



c)

