

## 2.4 2D 7/8



### QUESTION

QUESTION: **What is the difference between a 2D and a 3D object?**

ANSWER: **A 2D object has two dimensions (length and width), while a 3D object has three dimensions (length, width, and height).**

QUESTION: **What are the units used to measure length, area, and volume?**

ANSWER: **Length is measured in units like meters (m) or centimeters (cm). Area is measured in square units like square meters (m<sup>2</sup>) or square centimeters (cm<sup>2</sup>). Volume is measured in cubic units like cubic meters (m<sup>3</sup>) or cubic centimeters (cm<sup>3</sup>).**





## QUESTION

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1. 1,000  
2. 1,200  
3. 1,400  
4. 1,600

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## 数据库

数据库是存储和管理数据的系统。数据库系统由数据库、数据库管理系统、数据库应用程序、数据库用户等组成。

数据库系统的主要功能包括：数据的存储、检索、更新、删除、插入、备份、恢复、安全、完整性、并发控制等。数据库系统还支持多种数据库模型，如关系型数据库、非关系型数据库、图形数据库、时空数据库等。

数据库系统的发展经历了多个阶段，从早期的文件系统到现在的分布式数据库、云计算数据库、大数据数据库等。数据库系统的应用越来越广泛，已经成为现代信息系统的核心组成部分。

数据库系统的设计需要考虑数据的逻辑结构、物理结构、存取方法、安全性、完整性、并发控制等方面。数据库系统的设计是一个复杂的过程，需要综合考虑各种因素。



# QUESTION



## QUESTION

QUESTION: A patient with a history of chronic kidney disease (CKD) is being treated with a diuretic. The patient reports feeling dizzy and lightheaded. What is the most likely cause of these symptoms?

ANSWER: The most likely cause of these symptoms is hypotension. Diuretics can cause a decrease in blood volume, leading to a drop in blood pressure. This can result in dizziness and lightheadedness, especially when the patient stands up or moves quickly.

QUESTION: A patient with a history of heart failure is being treated with a beta-blocker. The patient reports feeling fatigued and short of breath. What is the most likely cause of these symptoms?

ANSWER: The most likely cause of these symptoms is heart failure. Beta-blockers can cause a decrease in heart rate and contractility, leading to a decrease in cardiac output. This can result in fatigue and shortness of breath, especially when the patient is active or lying down.

QUESTION: A patient with a history of diabetes is being treated with insulin. The patient reports feeling shaky and hungry. What is the most likely cause of these symptoms?

ANSWER: The most likely cause of these symptoms is hypoglycemia. Insulin can cause a decrease in blood glucose levels, leading to symptoms such as shakiness, hunger, and sweating.





【例題】



## 例題

【例題】 図 1 のように、 $AB$ 、 $BC$ 、 $CA$  の長さをそれぞれ  $a$ 、 $b$ 、 $c$  とし、 $\angle A$ 、 $\angle B$ 、 $\angle C$  の大きさをそれぞれ  $\alpha$ 、 $\beta$ 、 $\gamma$  とする。このとき、 $\cos \alpha$ 、 $\cos \beta$ 、 $\cos \gamma$  を  $a$ 、 $b$ 、 $c$  を用いて表せ。

【解答】  $\triangle ABC$  の外接円の中心を  $O$ 、 $\angle A$  の二等分線と  $BC$  の交点を  $D$  とする。このとき、 $\angle A$ 、 $\angle B$ 、 $\angle C$  の大きさをそれぞれ  $\alpha$ 、 $\beta$ 、 $\gamma$  とする。

このとき、 $\triangle AOB$ 、 $\triangle AOC$  はそれぞれ二等辺三角形であるから、 $\angle AOB = 2\alpha$ 、 $\angle AOC = 2\alpha$ 、 $\angle BOC = 2\beta$ 、 $\angle COA = 2\gamma$ 、 $\angle AOB + \angle BOC + \angle COA = 360^\circ$  であるから、 $2\alpha + 2\beta + 2\gamma = 360^\circ$ 、 $\alpha + \beta + \gamma = 180^\circ$  である。

また、 $\triangle AOB$ 、 $\triangle AOC$  はそれぞれ二等辺三角形であるから、 $OB = OA = OC$ 、 $OB = OC = OA$  であるから、 $OB = OC = OA$  である。





## QUESTION

1. The following table shows the sales of a company in the first quarter of 2023. The sales are measured in million euros. The company has a fixed cost of 10 million euros. Calculate the contribution margin and the operating profit for the first quarter of 2023.

2. The following table shows the sales of a company in the first quarter of 2023. The sales are measured in million euros. The company has a fixed cost of 10 million euros. Calculate the contribution margin and the operating profit for the first quarter of 2023.

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4. The following table shows the sales of a company in the first quarter of 2023. The sales are measured in million euros. The company has a fixed cost of 10 million euros. Calculate the contribution margin and the operating profit for the first quarter of 2023.





## 1000

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## РЕЗУМЕ

У овом истраживању, истраживачи су истраживали утицај различитих фактора на резултате тестова. Циљ је био да се идентификују кључни фактори који доприносе успешности учесника у различитим тестовима. Резултати су показали да су неки фактори, попут нивоа мотивације и припреме, значајно повезани са бољим резултатima.

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## QUESTION

1. The following table shows the number of people who visited the website of a company in the first 10 days of the month. The number of people who visited the website is given in the first column and the number of days is given in the second column.

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## YATIRIM MENKUL DEĞERLER A.Ş.



YATIRIM MENKUL DEĞERLER A.Ş. (YMD) 2023 YILI İÇİŞİLERİ RAPORU'NA İLİŞKİN YATIRIMCI VE MENKUL DEĞERLER SAĞLAYICILARININ DİKKETİNE SUNULAN ÖZETİ AŞAĞIDAKİ GİBİDİR:

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## ÖZETİ

ÖZETİ: Bu kitap, ortaokul öğrencilerinin günlük yaşamda karşılaştıkları problemleri çözmede yardımcı olacak şekilde hazırlanmıştır. Kitap, öğrencilerin problemleri tanımlama, çözüm yollarını bulma ve çözümün doğruluğunu kontrol etme süreçlerini öğrenmelerine yardımcı olacaktır. Ayrıca, öğrencilerin problemleri çözme sürecinde yaşadıkları zorlukları ve başarılarını paylaşmalarını teşvik eder.

Kitap, öğrencilerin problemleri çözme sürecinde yaşadıkları zorlukları ve başarılarını paylaşmalarını teşvik eder. Ayrıca, öğrencilerin problemleri çözme sürecinde yaşadıkları zorlukları ve başarılarını paylaşmalarını teşvik eder.

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