It Unlimited

EDITION-38

Content

New Xbox update aims to put Microsoft at the heart of TV viewing

Microsoft will push out an update to Xbox consoles Tuesday, designed to get consumers to turn on the device every time they flip on their televisions, not just when they want to play games.

Though most gamers will notice a dramatically different interface, and some will take advantage of more advanced voice-recognition controls, the real significance of the update is how boldly the software giant is putting itself at the core of the TV entertainment experience. Microsoft is partnering with 40 content providers from around the globe to significantly increase the amount of live and on-demand content available on Xbox.

Over the next month, Microsoft will add content in the United States to the Xbox from Verizon's FiOS TV, ESPN, and the Syfy channel among others. Next year, HBO Go and Comcast's Xfinity on Demand will come to U.S. customers. Many of the apps from partners are only available to customers who purchase an Xbox Live Gold Membership.

Microsoft is also adding new programming to the Xbox experience abroad. Canadian customers will get content from Rogers Media, Maple Leaf Sports, and TMZ, among others. And new programming will roll out in Europe, Australia and Asia.

The newest iteration of Xbox software, which Microsoft first unveiled at E3 this spring, does away with the interface in which users scrolled up and down to hubs such as Video Marketplace or My Xbox. After they got to a hub, users could then dive deeper into each topic by toggling to the right to the specific content they wanted.

Microsoft has replaced that look with the so-called Metro interface that it first introduced with Windows Phone 7. It's also designing the Metro interface into Windows 8, expected to launch at the end of next year. With Xbox, the Metro look starts with the content hubs--such as video, games, and social--displayed horizontally across the top of the screen. Selecting a hub shows the

rectangular tile Metro-look. Each tile displays content, such as the latest games played or the hottest movies available on demand.

Microsoft has also baked in deeper voice control of the console for consumers using its Kinect sensor. The Kinect is better known as motion-controller that gives gamers the ability to use gestures to play games. But Kinect also has a microphone array in it. When Kinect debuted last year, games could use their voice for some limited voice-controlled navigation.The new iteration goes far deeper. Now users can jump from hub to hub with their voice and select games, movies, and other programming just by uttering the title. It's not entirely intuitive, though. If a user wants to catch an episode of, say, "Breaking Bad," they first need to go to the video hub to request the show. They can't simply say "Breaking Bad" from the home screen.

Xbox also lets users search for content using Bing with their voice. They need to call out words in the correct sequence to make it work. To watch an episode of "30 Rock," for example, users can say, "Xbox. Bing. 30 Rock," and the console will display all of the available programming with "30 Rock" in the title. That includes the TV show as well as, for example, the album, "Greatest Hits: 30 Years of Rock" by George Thorogood & The Destroyers.

The results from those Bing queries also display content from Microsoft's partners. The idea is to do away with the endless searches for content among the various silos of services. So searching for "Super 8," for example, will give customers the opportunity to rent the movie from Vudu, which is Wal-Mart's video-on-demand service, and Netflix, as well from Microsoft's Zune marketplace. And Comcast subscribers will be able to find all of its video-on-demand titles from their Xbox, when its application debuts early next year.

The move could pull customers away from Comcast's set-top box interface, essentially handing over control of that experience to Microsoft. But Marcien Jenckes, senior vice president and general manager of video services at Comcast, said the company needs to be make sure its offerings are available broadly.

"We should be everywhere that the consumer is," Jenckes said. Verizon has taken a different approach with Xbox. It's putting 26 channels of live television--including Comedy Central, HBO, and Nickelodeon--on Xbox through its FiOS TV application. With only 26 channels, there are plenty of holes, including all the broadcast

networks as well as popular channels such as Discovery and ESPN (though ESPNews will be available). So if users want to, say, flip during a The Daily Show commercial break on a Monday night to check in on the score of Monday Night Football, they're out of luck with that application.

That's largely a function of obtaining the rights from the various networks, a time consuming endeavor, said Verizon director of product management Joe Ambeault. But the company is working toward that goal. "This is just our Day 1," Ambeault said.

Ultimately, he sees a future where there won't be a need for consumers to own set-top boxes. Eventually, consumers will get all of their connect from providers such as Verizon through Xbox consoles, Blu-ray players, and digital media gadgets such as Roku and Boxee devices.That's been Microsoft's long-term vision for Xbox from the day it dreamed up the console more than a decade ago. The company has always wanted a beachhead in living rooms around the world. The latest iteration of the Xbox interface isn't perfect. But it moves the company one step closer.

Judge denies Apple request for U.S. ban on Samsung gadgets

In the ongoing global patent battle between Apple and Samsung over smartphones and tablets, a U.S. judge has denied Apple a preliminary injunction that would have temporarily prevented Samsung from selling four of its devices in the United States.

In a ruling issued late Friday, U.S. District Judge Lucy Koh decided that allowing Samsung's Galaxy S 4G, Infuse 4G, Droid Charge, and Galaxy Tab 10.1 devices to remain on sale would not harm Apple enough to justify the injunction. She also said such an injunction would likely benefit other gadget makers at Samsung's expense.

In an around-the-world-in-80-lawsuits scenario, Apple has been arguing that Samsung's products infringe its design patents and copy the iPhone and the iPad. Samsung, meanwhile, has fired back with its own patent-related claims against Apple. In addition to the U.S., the battle has touched down in Australia; the Netherlands; Germany; parts of Asia, and France and Italy; among other places.

In a statement about Friday's ruling, reported by PCMag.com, Samsung said Koh's decision on the preliminary injunction "confirms our long-held view that Apple's arguments lack merit. In particular, the court has recognized that Samsung has raised substantial questions about the validity of certain Apple design patents. We are confident that we can demonstrate the distinctiveness of Samsung's mobile devices when the case goes to trial next year. We will continue to assert our intellectual property rights and defend against

Apple's claims to ensure our continued ability to provide innovative mobile products to consumers."

As noted by PCMag, Koh didn't buy all of Apple's design complaints. For example, she said in respect to smartphones that "a size that can be handheld, a screen that encompasses a large portion of the front face of the smartphone, and a speaker on the upper portion of the front face of the product" are not necessarily aesthetic features but functional ones that would make sense, and be legally allowable, on phones from Apple competitors.

Despite Friday's ruling, Apple could still win the overall lawsuit. Samsung, though, might be able to tweak its gadgets to sidestep the patent issues and continue selling its devices--a strategy the company is currently trying in Germany.

So far, it doesn't appear that Apple has issued an official statement on Koh's refusal to grant the preliminary injunction. Apple spokeswoman Kristin Huguet referred Reuters to previous Apple statements about the case and told the news agency that Samsung's "blatant copying is wrong."

Microsoft Dynamics Signs 2000 Customers In India

Microsoft Dynamics has signed on 2,000 customers across the SMB and the enterprise segments for its ERP and CRM solutions. Launched in India, about five years back, Dynamics promised customers enhanced business operations, lower TCO, easy to use interface and quick implementation time. Microsoft also offers a competitively priced ERP for growing businesses which is available at less than Rs three lakh and can be deployed in two weeks.

According to Subhomoy Sengupta, Group Director, Microsoft Business Solutions, "This achievement is a result of our ability to offer a line of simple and easy-to-use Microsoft Dynamics range of solutions that shows clear business ROI and integrates easily with existing technologies that customers are familiar with or already have installed. It enables customer to make more informed decisions, adapt to new opportunities and has the ability to scale as their business grows."

Some of the customers using Microsoft Dynamics solutions include Kamla Dials & Ethos Quantum Solutions, Dhanuka Agritech, Bharat Group, Jaipur Carpets, Wire and Fabric, Dr.Lal PathLabs, Sharda Motor Industries, Jay Chemicals, Rohit Surfactants, Harrison Malayalam, Priyom Condiments, Securipax Packaging, Perfect Pac, Devyani Group, Thakar Chemicals, Tyroo Media and Mangalam Electronics, Almondz Securities, Aegon Religare, Reva Proteins.

"By using Microsoft Dynamics CRM solution, all leads are assigned automatically, and each lead is attended based on the assignment matrix. Agents get the assignment alerts along with client information. With faster, automated processes on systems, employees can spend more time building customer loyalty. Productivity has also improved," said Srinivasan Iyengar, COO, Aegon Religare Life Insurance.

V. K. Bansal, Chief Financial Officer, Dhanuka Agritech, a Microsoft customer, added that the deployment at Dhanuka helped the company to monitor, track and report inventory and receivables in real time. "The solution helps in decreasing the costs from various fronts," he remarked.

Sengupta said that customer insight led innovation is offering both: customers and partners rich dividends. "Customers across far flung areas prefer to use Microsoft solutions, and offer business opportunity to a strong partner network, an invaluable component of Microsoft's go-to- market strategy."

Microsoft Office 365 Gets Service Updates

Microsoft has announced the first major service update for Microsoft Office 365, the company's next-generation cloud productivity service for businesses of all sizes.

microsoft has added more than 30 new updates to Office 365 that include Lync support for Mac Computers, new SharePoint Business Connectivity Services that allow people to connect with information in their company's CRM or SAP software, and support for Windows Phone 7.5.

"We are seeing really positive momentum for Office 365. Customers are adopting Office 365 eight times faster than our previous service, and the solution is on track to become one of our fastest-growing offers in Microsoft history," said Kurt DelBene, President, Office Division, Microsoft. "We are also seeing great traction with small businesses, with more than 90 percent of our early Office 365 customers coming from small businesses."

SkyDrive, Microsoft's personal cloud storage service also got simpler app-centric sharing for Office, powerful file management and easier uploads with HTML5.

"Today's news illustrates how we are executing like never before in the cloud with more customers, capabilities and commitment than anyone in the industry. All this while others search for their focus," said Takeshi Numoto, Corporate Vice President, Microsoft Office Division.

ABBREVATIONS

- **<u>2GL</u>**—Second-Generation Programming Language

- **<u>ACF NCP</u>**—Advanced Communications Function—Network Control Program

- **<u>BT</u>**—Bluetooth

- **<u>BTAM</u>**—Basic Telecommunications Access Method

- **<u>CORBA</u>**—Common Object Request Broker Architecture

- **<u>CAT</u>** – Computer-Aided Translation

- **<u>DSDL</u>**—Document Schema Definition Languages

Opportunities For Partners In AIOs

The All-In-One PC has come of age. The sales figures are not really huge,but it's the fastest-growing segment in the desktop market

The hype surrounding All-In-One (AIO) PCs is finally becoming justified as both vendors and partners are reporting renewed interest among customers for these smaller footprint desktops. These customers include both individual and enterprise users.

,Growth factors

Affordable pricing and captivating designs are being seen as the primary reasons for consumers to buy AIOs. At the same time, enterprises are seeing the benefits of smaller footprints because they occupy less real estate on the desktop. IDC India has predicted that by 2013 small form factor products like the AIO have the potential to account for nearly 38 percent of the overall desktop market. Gartner India estimates the present market size to be less than one lakh units per quarter, which is approximately 7 percent of the Indian desktop market. "The numbers are not really big, but it is certainly the fastest-growing segment in the desktop market," observes Vishal Tripathi, Principal Analyst, Gartner India.

Says Shishir Singh, Director, Product Marketing, CSMB, Dell India, "Two years ago the AIO market share was only 1 percent, but according to Q22011 IDC data, the market share for AIOs is 15 percent in the consumer segment and 20 percent in SMBs."
"AIOs have certainly been a hit with consumers, especially the buyer looking at a desktop for the entire family. With additional features such as a TV tuner card, high-end graphics and DVD bundles, PC vendors have certainly done their bit to bring in customers," remarks Tripathi.

Demand from segments

Consumers are driving the AIO business in India; the consumer segment accounts for at least 55 percent of the demand while the rest comes from the enterprise segment, including SMBs. "At present

the consumer market is growing at the rate of 35 percent, and the demand is more from families with kids," adds Singh of Dell.To strengthen its focus on the consumer segment, Dell India has started promotional activities for its Inspiron range of AIOs. The company is taking the products, priced at Rs 33,000-35,000, to students across schools and to residential housing societies in the top six cities of the country. The promotional activities include 'Study Buddy' for schools and 'Coolest AIO Family' for residential complexes. For the consumer segment Dell has models which come with Intel Core i3, i5 and i7 processors, as well as screen sizes ranging from 20" to 24".

Another segment driving the business is the commercial segment, especially the SMB, SOHO, BPO and retail sectors. According to market analysts, there are 50 million SMBs in India; this translates to huge potential since out of this only 20 percent companies are using PCs. "The commercial segment has great potential in India as most of the demand is coming from the retail sector, which is growing tremendously. With the increasing number of BPOs every year, the demand for AIOs would be on the rise," observes Meraj Ahmed, Country Manager, Desktop Organization, PSG, HP.

The Indian retail industry is growing at a rapid rate. It is estimated that total retail sales in India will grow from $395.96 billion in 2011 to $785.12 billion by 2015; the demand for AIOs will also grow, feel analysts. The Indian BPO industry keeps growing, and Gartner expects higher demand through 2015. "AIOs are in demand in the commercial segment because their sleek design enables them to occupy less office space, and because they consume 40 percent less power," explains Ahmed.

New SKUs Keeping in view the increasing demand, vendors such as HP have come up with AIOs dedicated to business use. The HP Compaq 8200 Elite AIO Business Desktop features a 23" full high-definition LED monitor, an integrated Webcam, a microphone and speakers. It comes with a 1-year HP Virtual Rooms license which allows businesses to conduct presentations, team meetings, training events and classes in an easy-to-use online conference center. Besides, it features a number of advanced HP Elite-class security tools to help protect critical business data; these include a standard embedded TPM 1.2-compliant security chip for hardware-based encryption.

segment". Says Rajesh Thadani, Director, Consumer Business Unit, HSB Lenovo India, "Globally we are the No 1 vendor in the AIO space. We have been focusing on introducing affordable models, and have a range starting at around Rs 20,000 on the street." Better pricing by PC vendors has also helped. Comments Gireesh Kumar, Proprietor, Techies Zone, a retail shop in Bengaluru, "Initially these products were priced very steep. In many cases, when you compared an ordinary desktop to an AIO of similar configuration from the same brand, the pricing was almost 20-30 percent more. The premium is now down to less than 10 percent, hence fewer consumers consider price as a reason not to buy an AIO." He says that he sells around 25 desktops per month, and that one out of every two desktops sold by his retail shop are AIOs. "Today therarejust two types of consumer desktop buyers—those who are value-conscious and buy an assembled machine, and those who buy an AIO.

IBM Grabs Q3 Server Sales Lead As HP, Oracle Stumble

Worldwide server shipments and revenue showed strong growth during the third quarter of 2011, but someone seems to have forgotten to tell Hewlett-Packard, which was the only top five server vendor to see declines in both categories. Analyst firm Gartner, which on Monday released its quarterly server sales report, wrote that worldwide total server revenue rose 5.2 percent in the third quarter compared to the same period as last year to reach $13 billion. Worldwide server shipments during the quarter rose 7.2 percent over last year to reach 2.4 million units, Gartner reported.

The fact that third quarter server shipments rose at a rate faster than that of the sales revenue indicates that the average selling price for servers slipped compared to last year. That breaks a recent string of several quarters in which the average selling price actually rose. IBM was the big winner for the quarter by taking over the number one spot in terms of server revenue from HP thanks to HP's dispute with arch-rival Oracle over software support for its Itanium-based servers.

HP retained its title as the world's largest server manufacturer in terms of units shipped. Nearly one-third of the world's servers were manufactured by HP, which had total sales of over 693,000 units, giving it a 32.3 percent market share. However, the number of servers shipped by HP during the quarter was actually down 3.1 percent compared to last year, Gartner said. Dell came in at number two, with a 3.2-percent rise in shipments to reach nearly 518,000 units. That gave the vendor a 21.8-percent market share.

` They were followed by IBM, whose sales were flat over last year at 287,500 units, and Fujitsu, which saw sales rise 4.8 percent to 79,000 units. The big winner here was Lenovo, which saw a 77.0-percent rise in shipments to well over 46,000 units, albeit from a small base last year. In terms of server sales, IBM took over the number one spot from HP during the third quarter with a 3.5-percent increase sales over last year to reach $3.85 billion thanks to a huge 27.0-percent growth in its Unix servers as well as a smaller 1.1-percent growth in x86-based servers, Gartner said.

HP fell to number two in server revenue thanks to a 3.6-percent drop over last year to $3.80 billion. The drop was led by an 18.5-percent fall in revenue from HP's Unix server line, combined with flat sales of its x86-based servers. Dell took advantage of a 6.3-percent increase in sales of its x86-based servers to solidify its number three position in overall server sales at $1.9 billion. Oracle saw flat overall server sales at $764 million, caused mainly by an 11.6-percent drop in its Unix server sales.

IBM's rise in server sales at the expense of HP and Oracle stems from the ongoing dispute between HP and Oracle over Oracle's decision to stop supporting HP's Itanium-based servers with future versions of its software.

IBM in October said that it recorded over 250 competitive displacements worth a total of over $240 million in the Unix server market during its fiscal third quarter, with the displacements split evenly between HP and Oracle. Shipments of blade servers rose 3.3 percent over last year while revenue for blade servers rose 7.6 percent, Gartner reported.

That trend not only helped HP, the world's largest blade server vendor, but also Cisco, which appeared in the top five x86-based server vendors in terms of revenue with a 192.8-percent rise to $268.3 million thanks to its growing UCS server line, Gartner wrote.
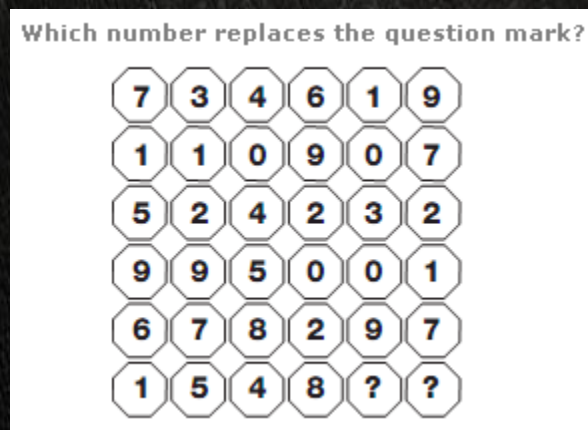
PUZZLES

1)

Which number replaces the question mark?

?

9   25

4   36

1   81   64   49
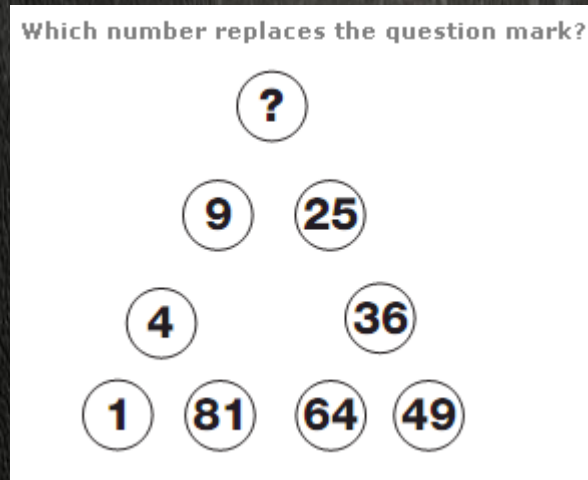
Answer:16

Explanation: Starting bottom left and moving clockwise around the triangle,numbers follow the sequence of Square Numbers.

2)

Which number replaces the question mark?

7	3	4	6	1	9
1	1	0	9	0	7
5	2	4	2	3	2
9	9	5	0	0	1
6	7	8	2	9	7
1	5	4	8	?	?

Answer:8,1

Explanation: Reading each row as 3 separate 2-digit numbers, the central number equals the average of the left and right hand numbers.

2011 Invention Awards: A Better Mechanical Hand

A prosthetic hand that's as functional as an electronic model—but at a fraction of the cost.

In The Workshop: One of the inspirations for Mark Stark's [below] invention was an artificial hand designed for NASA. "It was a challenge," he says. "I thought, 'I can do better than that.'" John B. Carnett

Prosthetic hands typically come in three varieties: purely cosmetic models; hooks and other low-cost mechanical appendages that provide a limited range of motion; and electronic versions that better mimic natural hand movements yet can cost tens of thousands of dollars. Mark Stark's prosthetic incorporates the best elements of each. Although its minimalist plastic assembly is nearly as light and inexpensive as a common steel hook, it looks and moves like a high-end electronic hand.

Stark, who makes his living designing valves for dryers and other appliances, got into prosthetics in part to help his friend, Dave Vogt, who was born without a left hand. Stark's creation is electronics-free, but its fingers each have three knuckles (two on the thumb) that bend separately to conform to anything the wearer grasps, including irregularly shaped objects that a hook can't hold.
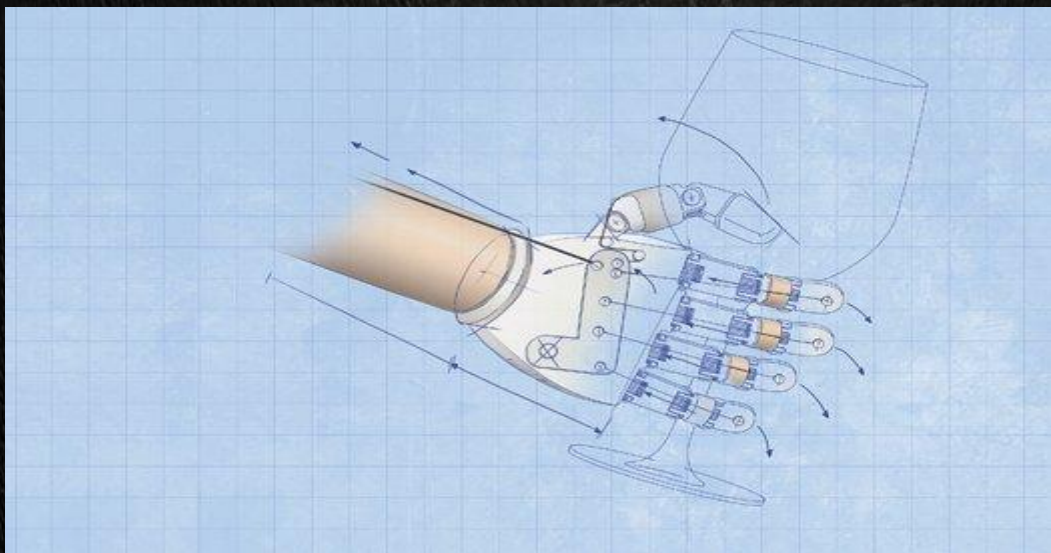
How It Works: The Stark Hand: The prosthetic hand attaches to a cable that runs from a shoulder harness worn by an amputee. A lever on the palm opens all five fingers at once, and separate cables in

each finger and springs at each knuckle allow the fingers to close individually and bend around objects with a secure grip.

In 2004, Stark constructed a proof-of-concept from hardware-store supplies and gave it to Vogt to try out. Within an hour, Vogt caught a ball left-handed for the first time in his life. Since then, he has helped Stark test and improve four more prototypes. Stark designed stronger, compact springs, re-engineered the fingers into a few easy-to-manufacture shapes, and set the thumb at a new angle to better replicate a real thumb. He also strengthened the joints in the hand against side impacts after Vogt broke a prosthetic knuckle when he hit something while swinging around on the dance floor. Vogt now wears the hand everywhere except to his job as a machinist, where he has to do heavy lifting for which a hook still works better. A more durable production version, which will use tougher plastics and sleeker parts, could be on the way as early as this winter. Edison Nation, a company that helps inventors develop their ideas, recently selected Stark's hand for commercial development and is now in talks to license it to a major prosthetics manufacturer.

ABBREVATIONS

- DOCSIS—Data Over Cable Service Interface Specification

- DoS—Denial of Service

- ELM—ELectronic Mail

- EPROM—Erasable Programmable Read-Only Memory

- FDC—Floppy Disk Controller

- FDDI—Fiber Distributed Data Interface

- GNU—GNU's Not Unix

- GSM—Global System for Mobile Communications

COMPUTER POEM

If Dr. Seuss were a Technical Writer

Here's an easy game to play.
Here's an easy thing to say.

If a packet hits a pocket on a socket on a port,
And the bus is interrupted as a very last resort.
And the address of the memory makes your floppy disk abort,
Then the socket packet pocket has an error to report!

If your cursor finds a menu item followed by a dash,
And the doubleclicking icon puts your window in the trash,
And your data is corrupted 'cause the index doesn't hash.
Then your situation's hopeless and your system's gonna crash!

You can't say this?
What a shame, sir!
We'll find you
another game, sir!

If the label on the cable on the table at your house
Says the network is connected to the button on the mouse,
But your packets want to tunnel on another protocol,
That's repeatedly rejected by the printer down the hall,
And your screen is all distorted by the side affects of Gauss,
So your icons in the windows are as wavy as a souse,
Then you may as well reboot and go out with a bang,
'Cause as sure as I'm a poet, the sucker's gonna hang!

When the copy of your floppy's getting sloppy on the disk,
And the microcode instructions cause unnecessary RISC.
Then you have to flash your memory and you'll want to RAM your
ROM.
Quickly turn off the computer and be sure to tell your mom!

SHORTCUT KEYS FOR WEB PAGE

F1	Display the Internet Explorer Help, or when in a dialog box, display context help on an item
F11	Toggle between Full Screen and regular view of the browser window
TAB	Move forward through the items on a Web page, the Address bar, and the Links bar
SHIFT+TAB	Move back through the items on a Web page, the Address bar, and the Links bar
ALT+HOME	Go to your Home page
ALT+RIGHT ARROW	Go to the next page
ALT+LEFT ARROW or BACKSPACE	Go to the previous page
SHIFT+F10	Display a shortcut menu for a link
CTRL+TAB or F6	Move forward between frames
SHIFT+CTRL+TAB	Move back between frames
UP ARROW	Scroll toward the beginning of a document
DOWN ARROW	Scroll toward the end of a document
PAGE UP	Scroll toward the beginning of a document in larger increments
PAGE DOWN	Scroll toward the end of a document in larger increments
HOME	Move to the beginning of a document
END	Move to the end of a document

CTRL+F	Find on this page
F5 or CTRL+R	Refresh the current Web page only if the time stamp for the Web version and your locally stored version are different
CTRL+F5	Refresh the current Web page, even if the time stamp for the Web version and your locally stored version are the same
ESC	Stop downloading a page
CTRL+O or CTRL+L	Go to a new location
CTRL+N	Open a new window
CTRL+W	Close the current window
CTRL+S	Save the current page
CTRL+P	Print the current page or active frame
ENTER	Activate a selected link
CTRL+E	Open Search in Explorer bar
CTRL+I	Open Favorites in Explorer bar
CTRL+H	Open History in Explorer bar
CTRL+click	In History or Favorites bars, open multiple folders

COMPUTER SUDOKU

1)
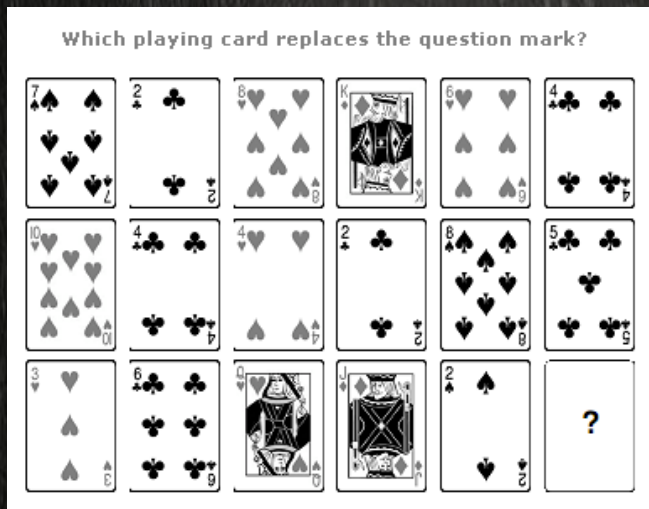

What is missing in the last grid?
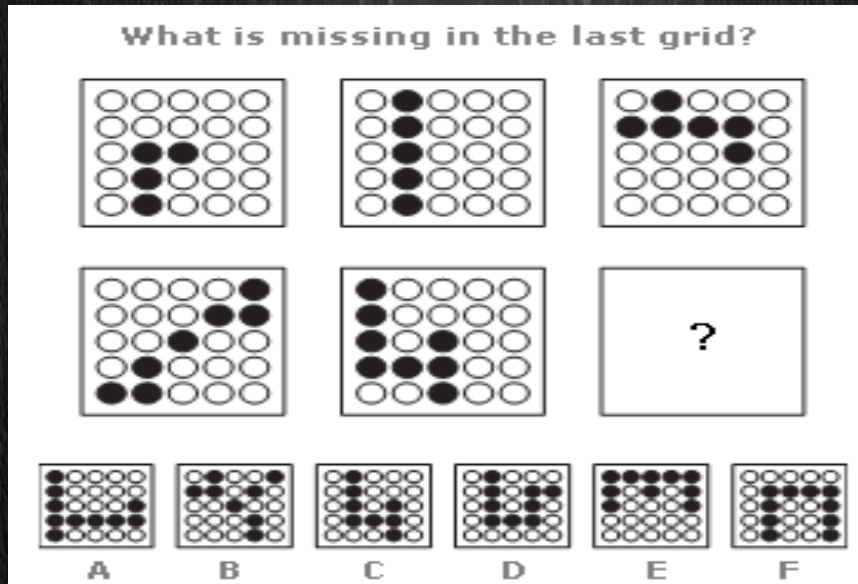
Answer:D

Explanation: The number of black dots in each grid increases by 1 each time, starting with the top left grid and working to the right, top row thenbottom row.

2)

Which playing card replaces the question mark?

Answer: 9 of Clubs

Explanation: Taking red cards as positive values and black cards as negative values, in each column of the diagram, the lower card value equals the sum of the two upper card values. The suits are used alternately in each column.

Windows 8

Indroduction:

Microsoft recently released developer preview version of Windows 8 after the successful and popularity of Windows 7 Professional and Windows Server 2008 recently.We have to wait for final release of Windows 8. The current release is meant for developers to try their hands on upcoming Windows 8 features. If you are looking for new features in Windows 8, checkout MyWindowsClub.com

Windows 8 System Requirement:

Microsoft Windows 8 beta version may launch soon. In Beta version of Windows 8, picture will be clear of what is the need and system requirement of windows 8. Full version of Windows operating system always launch after the BETA tests by the software programmers of Microsoft. The system configuration or system requirement is the need of suitability of Windows OS and the system units must match or equal to the given system requirements of OS.In system requirement, hardware configuration must be match with the hardware requirements for Windows operating systems. However, one can upgrade to latest system configuration if want to upgrade the latest operating system.

Windows 8 Beta Download:

As per the history of serially launching of Microsoft Windows Operating system, and latest operating system is Windows 7, hopes are to be launch of Windows 8 OS. If it is true that Microsoft will announce the Windows 8 Beta so that users will Download it, and will report the merits, demerits (advantages and disadvantages) of the new operating system's Beta version. In the Beta version of Windows 8, the primary picture will be clear about windows 8 operating system new advanced features, system requirement for windows 8 operating system, windows 8 themes etc.