

Computer Monitor Models					
	Model A	Model B	Model C	Model D	Model E
Time to Manufacture	15 minutes	18 minutes	13 minutes	20 minutes	17 minutes
% of monitors sold per total products	75%	73%	84%	95%	81%
Cost per monitor	\$175	\$188	\$145	\$198	\$170

A company manufactures computer monitors. Among the various models, 5 models are top products which bring high revenue. Assuming the manufacturing lines are running for 9 hours a day for 7 days a week, which model brings in the highest revenue?

- a** Model A
- b** Model B
- c** Model C
- d** Model D
- e** Model E

Next

Most employees are attracted by flexible working arrangements and many employers nowadays provide flexi-time systems for staff. For employees, the ability to turn credit hours into flexi-leave means that it is always to an employee's advantage to take their accrued time off each month that would otherwise be lost if not used. Unfortunately, however, the majority of these systems are expensive, although this sometimes depends on the number of employees within an organization and the type of system purchased. The cost of purchasing flexi-time computer systems, however, is likely to be offset by improvements to staff morale.

Which of the following statements is implied by the passage?

- a** The greater the number of employees, the more expensive the flexi-time system is likely to be.
- b** Using a flexi-time system will improve employee morale.
- c** Flexi-time systems are not traditionally used.
- d** The use of flexi-time systems comes with negative consequences.

Next

Internet experts are warning of a new multitude of extremely dangerous computer viruses that have recently been causing devastation and could potentially cripple entire global computer systems. These viruses can replicate thousands of copies within hours and are capable of extirpating security software that, in turn, enables hackers to appropriate control of the machines. Criminal gangs can then establish bank accounts using stolen identities, sabotage a company's computer system and extort money for its restoration, and sell computers that have been interfered with on the black market. Computer users are often advised to refrain from opening suspicious programs attached to emails and to continually update their security software.

What is the main purpose of the passage?

- a To alert readers to the dangers of internet use
- b To extol the virtues of internet use**
- c To unveil the secrets behind computer software
- d To publicly berate computer hackers

Next

Most employees are attracted by flexible working arrangements and many employers nowadays provide flexi-time systems for staff. For employees, the ability to turn credit hours into flexi-leave means that it is always to an employee's advantage to take their accrued time off each month that would otherwise be lost if not used. Unfortunately, however, the majority of these systems are expensive, although this sometimes depends on the number of employees within an organization and the type of system purchased. The cost of purchasing flexi-time computer systems, however, is likely to be offset by improvements to staff morale.

With which of the following statements is the author the most likely to disagree?

- a Flexi-time systems are only worth it for large organizations.
- b Organizations with flexi-time systems are more profitable.**
- c Flexi-time systems are not worth the money.
- d Flexi-time systems make it easier to use time off.

Next

Virtual Training Program Costs				
	Program A	Program B	Program C	Program D
Program Cost	\$14,000	\$13,000	\$14,500	\$16,000
Administration Fee	\$145	\$170	\$140	\$130
HR Staff Needed	3	4	4	3
Hours to Complete Training	25	28	25	30

A human resource manager is considering replacing a traditional training program with a new virtual training program for 10 new employees. The salary of the human resource (HR) staff is \$20 per hour, and the salary of new employees is \$12.50 per hour.

Assuming the quality of programs is equal, which is the most cost efficient?

- a Program A
- b Program B
- c Program C
- d Program D
- e All would be the same

Next

James is able to sell 15 of Product A and 16 of Product B a week, Sally is able to sell 25 of Product A and 10 of Product B a week, and Andre is able to sell 18 of Product A and 13 of Product B a week.

If Product A sells for \$35.75 each and Product B sells for \$42.25 each, what is the difference in the amount of money earned between the most profitable and the least profitable seller?

- a \$91.00
- b \$97.50
- c \$104.00
- d \$119.50
- e \$123.50

Next

Jason is considering purchasing a new machine to make plastic silverware. The machine produces 1,000 pieces of silverware in two hours. One box contains 50 pieces of silverware and sells for \$3.00.

If the machine costs \$9,000, and runs for 24 hours a day, how many days will it take the machine to make enough silverware to pay for itself?

- a 2.5 days
- b 7.5 days
- c 15 days
- d 12.5 days
- e 18 days

Next

In the course of a given month, an RV dealer purchases fourteen RVs from the manufacturer for \$25,250 each and sells them at a 22% markup. The overall cost of doing business costs the RV dealer totals to \$45,000 each month, in total.

After these costs, how much profit does the RV dealer make this month?

- a \$5,555
- b \$20,592
- c \$17,109
- d \$32,770
- e \$77,770

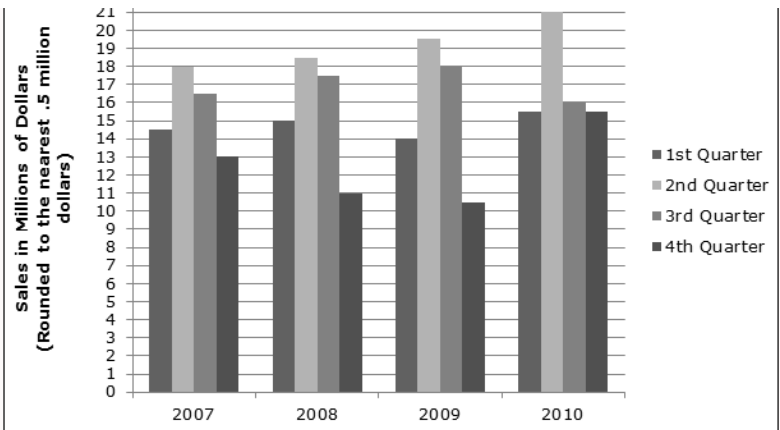
Next

Jack typed 80 words per minute when he enrolled in a typing course. His typing speed increased by 3% two weeks into the course. At the end of the course, Jack was able to type his entire 1,680 word document in 20 minutes.

What was the percent of increase in his typing speed from the beginning of the course to the end?

- a 3%
- b 4%
- c 5%
- d 6%
- e 7%

Next



ABC Corporation, a large software developer, is involved in the creation and sales of custom billing software for companies. The figure shows their quarterly sales figures for the last four years. The company's profit is its total sales minus the cost of pay for salespeople and typical business costs.

If salespeople earn 10% of their sales in pay and typical business costs account for 20% of the value of each sale, how much more profit was earned in 2010 than in 2007?

- a \$4.0 million
- b \$4.2 million
- c \$5.0 million
- d \$6.0 million

Sales Figures for ABC RV Sales					
RV Model	Sale Price	Profit*	Warranty Bonus**	Units Sold	Number of Warranties
Treeline	\$39,000	22%	9%	14	7
Lumberman	\$48,000	20%	8%	?	12

*The percentage of the sale price that is profit for ABC RV Sales
 **The percentage of the sale price that is given to ABC RV Sales for every warranty sold

The figure shows the sales figures of ABC RV Sales for a calendar year. Recently, a computer problem caused the company to lose track of how many Lumberman units it sold during the year.

If the owner knows that the total company profit including warranty bonuses was \$363,570 for the year, how many Lumberman units were sold?

- a 15
- b 16
- c 18
- d 23
- e 35

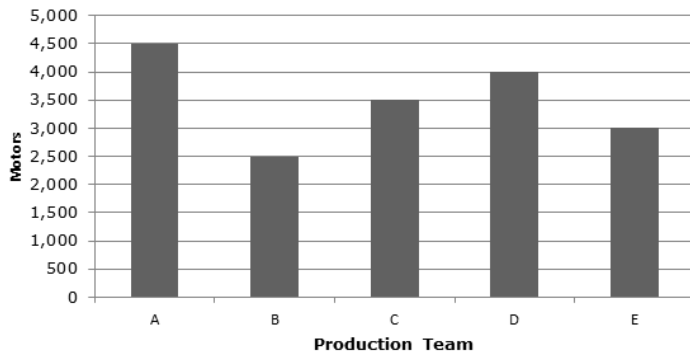
Joe is in charge of purchasing office supplies and his budget is \$175.00. Paper is \$21.99 a box, toner cartridges are \$52.90 each, and folders are \$0.99 each. All the office supplies are 20% off.

If Joe needs to buy 3 boxes of paper and 2 toner cartridges, how many folders can he buy?

- a 3 folders
- b 16 folders
- c 37 folders
- d 47 folders
- e 50 folders

Next

Motors Produced by Production Team



25% of all motors from Production Team A had defects, 6% of motors from Production Team B had defects, 9% of motors from Production Team C had defects, 15% of motors from Production Team D had defects, and 13% of the motors from Production Team E had defects.

Which Production Team made the most motors without defects?

- a Team A
- b Team B
- c Team C
- d Team D
- e Team E

Betty paints twice as fast as Dan. Working together, Dan and Betty can paint 2,400 square feet in 4 hours. Another employee, Sue, joined their painting team. Working together, Dan, Betty, and Sue can paint 3,600 square feet in 3 hours.

If Sue works alone, how many square feet can she paint in 4 hours and 27 minutes?

- a 600 square feet
- b 1,570 square feet
- c 1,700 square feet
- d 2,530 square feet
- e 2,670 square feet

Next

It is thought that company leadership, company development and company direction are the responsibility of all company managers and that combined responsibility is not abandoned in situations where one individual is elected as company director. The promise of effective leadership, development and direction is that the talents and knowledge of different people can be pooled together to produce excellent company performance so that good working relationships are created between managers. As those who have worked in successful organizations will know, the consequences in terms of individual satisfaction and sense of competence are enhanced considerably, and the sense of being part of an effective, influential team is indeed a rewarding one.

According to the passage, what is associated with creating good working relationships between managers?

- a Team development
- b Excellent company performance
- c Direction
- d Influencing others

Next

The latest trend in the wireless industry has been a shift in the way customers use their phones. People are making fewer calls and texts and using more data. The biggest reason for this shift is a surge in the sales of smartphones. Smartphones are used more often for reading websites or using online media. In 2006, there were about 100 million smart phones sold globally. Every year since, sales have increased, reaching over 600 million in 2012. Companies have tried to capitalize on this dramatic shift in consumer behavior. The most obvious change companies have made is to make calling and texting cheaper, while focusing charges on data usage.

According to the author, smartphones allow you to do what?

- a Text
- b Use online media
- c Read websites
- d All of the above

Next

For many years, manufacturing practices remained devoid of innovation. That is, until the mid-1990s, when trends in modern manufacturing created a virtual revolution. This was driven by economic survival, global competition and rapidly changing customer markets. These external forces led to the introduction of production methods such as just-in-time inventory control, advanced manufacturing technology, and integrated manufacturing systems. These practices meant that manufacturers could remain responsive to market conditions and produce items which met customers' needs. However, these new innovations have not necessarily meant that the quality and durability of products have improved.

What three production methods might a company need to implement to maintain a competitive position in the manufacturing industry?

- a** Just-in-time inventory control, integrated staffing, and complex technology
- b** Advanced technology, automated inventory control, and high-speed assembly lines
- c** Integrated manufacturing systems, inventory control, and expedited global shipping
- d** Timed inventory control, integrated systems, and advanced technology

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What is the "latest trend" in the wireless industry?

- a** The sales of smartphones are increasing.
- b** People use their phones more often.
- c** People are making fewer calls and using more data.
- d** All of the above.

[Next](#)

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Based on the conclusion of this article, with what statement is the author most likely to agree?

- a** As smartphone sales and use increase, consumers will continue to use more data and make fewer calls and texts.
- b** Wireless companies will no longer charge for phone calls and text messages.
- c** Wireless customers will only buy smartphones in the future.
- d** Wireless companies will charge less money for data usage in the future.

[Next](#)

The increase in passengers' use of portable electronics that can cause interference with an aircraft's systems is leading to the need for an innovative and practical solution. These transmissions are not limited to mobile phones; modern microprocessors, and electronics with Wi-Fi and Bluetooth transceivers are also amongst the personal electronic devices (PEDs) that may interfere with a plane's electronics. Few people know how to configure their PEDs in order to make them safe during air-travel. A suggested solution is to give the pilot control through the ability to switch on a coded wireless frequency during take-off and landing that the PED would respond to by switching to a flight-safe mode. This signal would be transmitted at a low frequency so as not to interfere with the airplane's systems. It has also been suggested that this idea be applied in cinemas and theatres to automatically turn the audience's phones onto silent mode.

To what does "this idea" refer in the last sentence?

- a Increased use of portable electronics
- b Electronics with Bluetooth transceivers
- c Coded frequency transmission
- d Flight-safe mode

[Next](#)

Most employees are attracted by flexible working arrangements and many employers nowadays provide flexi-time systems for staff. For employees, the ability to turn credit hours into flexi-leave means that it is always to an employee's advantage to take their accrued time off each month that would otherwise be lost if not used. Unfortunately, however, the majority of these systems are expensive, although this sometimes depends on the number of employees within an organization and the type of system purchased. The cost of purchasing flexi-time computer systems, however, is likely to be offset by improvements to staff morale.

Which of the following is NOT a view expressed in the passage?

- a Many employers provide flexi-time systems for staff.
- b Most employers are attracted to flexible working systems.
- c The majority of flexi-time systems are expensive.
- d The cost of a flexi-time system can be offset by personnel satisfaction.

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Based on the tone of this article, with which statement would the author most likely disagree?

- a PEDs can put people in danger when not operated properly.
- b PEDs can be safely managed by pilots.
- c Passengers do not always know how to use their PEDs.
- d It is unethical to allow third parties to shut off people's PEDs.

[Next](#)

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With which of the following would the author least likely agree?

- a Anti-virus software is sufficient to deter internet-related crime.
- b Computer viruses will continue to wreak havoc in the lives of computer users.
- c A surge in internet-related crimes is unlikely to abate.
- d Internet-related crimes are likely to have a global impact.

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This article informs the reader how to:

- a** Protect himself/herself from computer virus threats
- b** Develop computer viruses
- c** Resolve the issue of increased internet service
- d** Tolerate the ubiquity of internet use

[Next](#)

It is thought that company leadership, company development and company direction are the responsibility of all company managers and that combined responsibility is not abandoned in situations where one individual is elected as company director. The promise of effective leadership, development and direction is that the talents and knowledge of different people can be pooled together to produce excellent company performance so that good working relationships are created between managers. As those who have worked in successful organizations will know, the consequences in terms of individual satisfaction and sense of competence are enhanced considerably, and the sense of being part of an effective, influential team is indeed a rewarding one.

Which of the following is noted as a consequence of working for successful organizations?

- a** An enhanced sense of competence
- b** Increased motivation
- c** Improved job performance
- d** Employee engagement

[Next](#)

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Which of the following do company managers have the responsibility to influence?

- a** Talent
- b** Profitability
- c** Development
- d** Knowledge

For many years, manufacturing practices remained devoid of innovation. That is, until the mid-1990s, when trends in modern manufacturing created a virtual revolution. This was driven by economic survival, global competition and rapidly changing customer markets. These external forces led to the introduction of production methods such as just-in-time inventory control, advanced manufacturing technology, and integrated manufacturing systems. These practices meant that manufacturers could remain responsive to market conditions and produce items which met customers' needs. However, these new innovations have not necessarily meant that the quality and durability of products have improved.

What is one long-term impact of these new production methods?

- a There will be no need for further innovation.
- b The emphasis is placed on durability of goods.
- c These new methods guarantee quality.
- d Customers will have products that meet their needs and desires.

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The changes in the 1990s were NOT due to:

- a Changing customer markets
- b Increased global competition
- c Emphasis of quality over quantity
- d Economic survival for the companies

Next

The increase in passengers' use of portable electronics that can cause interference with an aircraft's systems is leading to the need for an innovative and practical solution. These transmissions are not limited to mobile phones; modern microprocessors, and electronics with Wi-Fi and Bluetooth transceivers are also amongst the personal electronic devices (PEDs) that may interfere with a plane's electronics. Few people know how to configure their PEDs in order to make them safe during air-travel. A suggested solution is to give the pilot control through the ability to switch on a coded wireless frequency during take-off and landing that the PED would respond to by switching to a flight-safe mode. This signal would be transmitted at a low frequency so as not to interfere with the airplane's systems. It has also been suggested that this idea be applied in cinemas and theatres to automatically turn the audience's phones onto silent mode.

Which of the following does the author cite as a reason for the coded signal technology?

- a People do not know which PEDs they have on their person.
- b People do not know how to limit their PED's signal output.
- c People do not care about affecting the plane's electronics.
- d People do not know which PEDs affect the plane's electronics.

Next

A restaurant offers a new promotion of 20% off the original price of cheese pizzas, which is \$12. Before the promotion 250 pizzas were sold each day. After the promotion, the sale of pizza increases an average of 18% more per day.

How much more or less does the restaurant make each day in pizza sales after the promotion?

- a** Decrease by \$600
- b** Decrease by \$168
- c** Increase by \$168
- d** Increase by \$600
- e** Does not change

Production Results for ABC Products Inc.						
Department	Percent of Production Employees	Average Percent of Quota*				
		0 to 40%	41 to 80%	81 to 120%	121 to 160%	161% or More
Birdhouses	25%	20%	30%	40%	5%	5%
Birdfeeders	10%	3%	2%	60%	20%	15%
Mailboxes	40%	5%	5%	15%	60%	15%
Windchimes	25%	15%	55%	15%	5%	10%

*Average Percent of Quota is the percentage of the employees in the department achieving each average quota percentage.

The table shows the production results for each department of ABC Products Inc.

If the Wind Chime Department had 550 employees producing between 41% to 80% of their quota, how many employees in the Birdfeeders Department produced 160% or less of their quota?

- a** 140
- b** 340
- c** 350
- d** 468
- e** 850

Next

ABC Company currently has $\frac{1}{4}$ fewer computers than it has employees.

If they currently have 80 employees and they want to hire 5% more, how many computers will they need to buy to ensure that each employee has one?

- a 1 computer
- b 4 computers
- c 16 computers
- d 24 computers
- e 25 computers

[Next](#)

XYZ Company purchased a new machine in March at \$50,000 and is using the profits to pay it off. Profits in March were \$7,876.

If the profits increase 2% from the previous month, in what month will the machine be completely paid off?

- a June
- b July
- c August
- d September
- e October

[Next](#)

Sales Figures for ABC RV Sales					
RV Model	Sale Price	Profit*	Warranty Bonus**	Units Sold	Number of Warranties
Treeline	\$39,000	22%	9%	14	7
Lumberman	\$48,000	20%	8%	?	12

*The percentage of the sale price that is profit for ABC RV Sales
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The figure shows the sales figures of ABC RV Sales for a calendar year. Recently, a computer problem caused the company to lose track of how many Lumberman units it sold during the year.

If the owner knows that the total company profit including warranty bonuses was \$363,570 for the year, how many Lumberman units were sold?

- a 15
- b 16
- c 18
- d 23
- e 35

Next

Five Year Costs for Company IV

Year	Margins ² (in percentages)	Total Costs ¹		
		Labor Costs (Dollar amount in millions)	Material Costs (Dollar amount in millions)	Fixed Costs (Dollar amount in millions)
2003	2.6	20.2	8.2	10.0
2004	3.4	25.1	10.6	10.5
2005	1.8	19.5	10.2	11.0
2006	2.1	17.6	9.8	11.5
2007	2.5	15.2	12.8	12.0

¹ **Total Costs** - in this problem, you should assume that total costs are comprised of three components: labor costs, material costs, and fixed costs.

² **Margin** - in this problem, margin is defined as sales revenue minus total costs.

Assume that fixed costs continued to rise after 2007 at a rate of 0.5 million dollars per year and labor costs decrease by 10% per year. In what year will fixed costs exceed labor costs?

- A. 2008
- B. 2009**
- C. 2010
- D. 2011
- E. 2012

The correct answer is **B**. In 2008, fixed costs will have increased to \$12.5 million and after decreasing by 10%, labor costs will be \$13.68 million. Labor costs are still higher, so we would continue and examine this for the next year. In 2009, fixed costs will have increased to \$13 million, and labor costs will have decreased to \$12.31 million. Fixed costs are now higher. Therefore, 2009 is the correct answer.

This is the end of the example questions. Please click **Start Evaluation** to begin the assessment.

Production Results for ABC Products Inc.					
Product	Total Cost per Unit			Sale Price per Unit	Maximum Production*
	Labor Costs	Material Costs	Shipping Costs		
Product A	\$4.50	\$2.50	\$0.05	\$8.50	400
Product B	\$3.25	\$1.15	\$0.07	\$5.50	550
Product C	\$7.25	\$2.65	\$0.10	\$12.50	210

*Maximum Production is the maximum number of units that can be produced in one month

The table shows the average production data for three products over the last month. The difference between the costs and the sale price is the company profit for one unit.

If a new production method allows the labor costs of Product C to be reduced to \$3.45 per unit while increasing the maximum production to 250 units per month, what percentage increase in profit would the company see from that product?

- a 119%
- b 200%
- c 252%
- d 288%
- e 322%

Next

A new computer will load 17% faster than the old computer. It took the old computer 22 seconds to load one graphic and 9 seconds to load a paragraph of text.

If you are loading a document with 2 graphics and 1 paragraph, how long will it take the new computer to load?

- a 25.73 seconds
- b 31.00 seconds
- c 43.99 seconds
- d 53.00 seconds
- e 62.01 seconds

Next