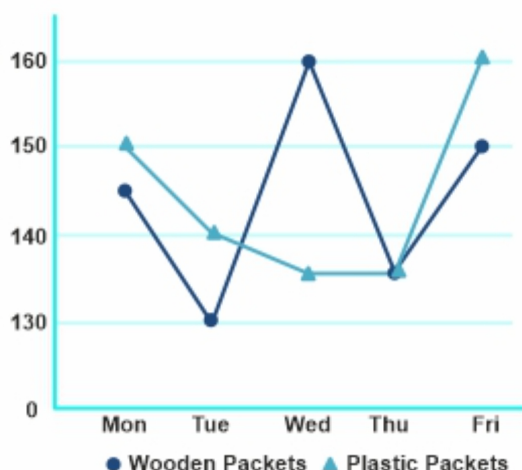


**Directions 1 - 5 :** Given below is the line graph which shows the numbers of wooden packets and plastic packets sold on the 5 different days of the week by the XYZ company. The total number of packets is equal to the sum of wooden and plastic packets. Read the given information carefully and answer the following questions.



**Q:1** What is the average number of wooden packets sold by the company in the given week?

1. 138
2. 145
3. 144
4. 158
5. 125

**Q:2** What is the ratio of total number of wooden packets sold on Wednesday and Friday to total number of plastic packets sold on Monday and Tuesday?

1. 28 : 33
2. 28 : 25
3. 33 : 31
4. 31 : 29
5. None of these

**Q:3** What is the difference between the total packets sold on Friday to on Tuesday?

1. 60
2. 40
3. 15
4. -10
5. 55

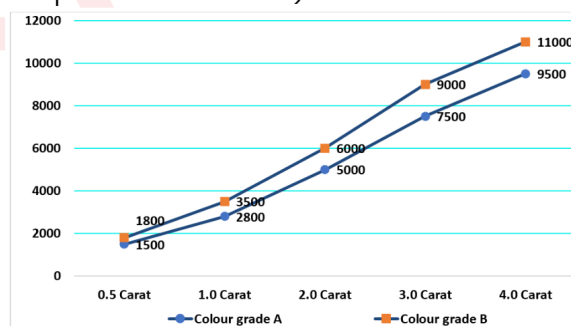
**Q:4** Total packets sold on Wednesday is what percent more than the number of plastic packets sold on Friday?

1.  $89\frac{1}{3}\%$
2.  $91\frac{2}{7}\%$
3.  $87\frac{5}{9}\%$
4.  $84\frac{3}{8}\%$
5. None of these

**Q:5** Total packets sold on Thursday is what percent more/less than the plastic packets sold on Monday?

1. 80%
2. 75%
3. 66.67%
4. 91.25%
5. None of these

**Direction 6 - 10 :** The line graph below shows the prices of diamonds having different carat weights (0.5 carat, 1.0 carat, 2.0 carat, 3.0 carat and 4.0 carat) of 2 colour grades A and B. Study the graph carefully and answer the questions that follow. (All the prices are in dollar)



**Q:6** The price of a 3.0 carat diamond of colour grade C is 50% more than the price of 3.0 carat diamond of colour grade A. Price of 3.0 carat diamond of colour grade B will be how much percentage of price of 3.0 carat diamond of colour grade C?

1. 60%
2. 75%
3. 90%



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Quantitative Aptitude - DI (Line Graph)

English

4. 85%
5. 80%

**Q:7** The price of diamond of any weight of colour grade D is equal to the average of prices of diamonds of respective weights of colour grade A and colour grade B. What is the sum of price of 1.0 carat and 4.0 carat diamonds of colour grade D?

1. 14400 dollars
2. 13400 dollars
3. 13600 dollars
4. 14000 dollars
5. 13200 dollars

**Q:8** Total price of 1.0 and 2.0 carat diamonds of colour grade B is how much percentage more/less than the Total price of 0.5 and 3.0 carat diamonds of colour grade A?

1. 3.33%
2. 7.5%
3. 6.66%
4. 5.55%
5. None of these

**Q:9** What is the ratio of total price of 1.0 carat, 2.0 carat and 4.0 carat diamonds of colour grade A and total price of 0.5 carat, 3.0 carat and 4.0 carat diamonds of colour grade B?

1. 173 : 218
2. 175 : 217
3. 170 : 213
4. 179 : 210
5. None of these

**Q:10** Find the difference of average price of diamonds of all carat weights of colour grade A and average price of diamond of all carat weights of colour grade B.

1. 1200 dollars
2. 1000 dollars
3. 1100 dollars
4. 900 dollars
5. 950 dollars

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Quantitative Aptitude - DI (Line Graph)

English

### Answer Key

1. (3)	2. (4)	3. (2)	4. (4)	5. (1)
6. (5)	7. (2)	8. (4)	9. (1)	10. (2)

### Answers and Solutions

**Q:1** The correct answer is **option 3** i.e. **144**

Total number of wooden packets produced by the company in the week =  $145 + 130 + 160 + 135 + 150$   
 $\Rightarrow 720$  packets

Average packets = total packets/number of days  
 $\Rightarrow 720/5 = 144$

**Q:2** The correct answer is **option 4** i.e. **31 : 29**

Total wooden packets sold on Wednesday and Friday combined =  $160 + 150$   
 $\Rightarrow 310$  packets

Total plastic packets sold on Monday and Tuesday combined =  $150 + 140$   
 $\Rightarrow 290$  packets

Required ratio  $\Rightarrow 310 : 290 = 31 : 29$

**Q:3** The correct answer is **option 2** i.e. **40**

Total packets sold on Friday =  $150 + 160$   
 $\Rightarrow 310$

Total packets sold on Tuesday =  $130 + 140$   
 $\Rightarrow 270$

Difference =  $310 - 270 = 40$  packets

**Q:4** The correct answer is **option 4** i.e. **[Math Processing Error]**

Total packets sold on Wednesday =  $135 + 160$   
 $\Rightarrow 295$  packets

Number of plastic packets sold on Friday = 160  
 Required Percentage,

$\Rightarrow$  **[Math Processing Error]**

$\Rightarrow$  **[Math Processing Error]**

$\Rightarrow$  **[Math Processing Error]**

**Q:5** The correct answer is **option 1** i.e. **80%**

Total packets sold on Thursday =  $135 + 135$

$\Rightarrow 270$  packets

Plastic packets sold on Monday = 150

Required Percentage,

$\Rightarrow$  **[Math Processing Error]**

$\Rightarrow$  **[Math Processing Error]**

$\Rightarrow 80\%$

**Q:6** The correct answer is **option 5** i.e. **80%**

Price of 3.0 carat diamond of colour grade A = 7500 dollars

So,

The price of a 3.0 carat diamond of colour grade C =  $7500 \times 1.5 = 11250$  dollars

And

Price of 3.0 carat diamond of colour grade B = 9000 dollars

Hence,

Required percentage =  $[9000/11250] \times 100 = 80\%$

**Q:7** The correct answer is **option 2** i.e. **13400 dollars**

Price of 1.0 carat diamond of colour grade D =  $[3500 + 2800]/2$   
 = 3150 dollars

And

Price of 4.0 carat diamond of colour grade D =  $[9500 + 11000]/2$   
 = 10250 dollars

Hence,

Required sum =  $3150 + 10250 = 13400$  dollars

**Q:8** The correct answer is **option 4** i.e. **5.55%**

Total price of 1.0 and 2.0 carat diamonds of colour grade B

=  $[3500 + 6000] = 9500$  dollars

And

Total price of 0.5 and 3.0 carat diamonds of colour grade A

=  $[1500 + 7500] = 9000$  dollars

Hence,

Required percentage =  $[(9500 - 9000)/9000] \times 100 = 5.55\%$

**Q:9** The correct answer is **option 1** i.e. **173 : 218**

Total price of 1.0 carat, 2.0 carat and 4.0 carat



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Quantitative Aptitude - DI (Line Graph)

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diamonds of colour grade A

$$= [2800 + 5000 + 9500]$$

$$= 17300 \text{ dollars}$$

And

Total price of 0.5 carat, 3.0 carat and 4.0 carat

diamonds of colour grade B

$$= [1800 + 9000 + 11000]$$

$$= 21800 \text{ dollars}$$

Hence,

$$\text{Required ratio} = 17300 : 21800 = 173 : 218$$

**Q:10** The correct answer is **option 2** i.e. **1000 dollars**

Average price of diamonds of all carat weights of colour grade A

$$= [1500 + 2800 + 5000 + 7500 + 9500]/5$$

$$= 26300/5 = 5260 \text{ dollars}$$

And

Average price of diamonds of all carat weights of colour grade B

$$= [1800 + 3500 + 6000 + 9000 + 11000]/5$$

$$= 31300/5 = 6260 \text{ dollars}$$

Hence,

$$\text{Required difference} = 6260 - 5260 = 1000 \text{ dollars}$$

