SPDC NUMERICAL ASSESSMENT 2020

00:16:47

The mean marks of 13 boys in a class is 65% while the mean mark of 12 girls is 55%. The mean marks of all the 25 students is

[A] ○ 50.0%

[B] ○ 65.0%

[C] ○ 55.2%

[D] ○ 60.2%

[E] ○ 55.0%

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

SPDC NUMERICAL ASSESSMENT 2020

🕒 00:14:53

A man and a woman can do a piece of work in 4 days, while the woman can do the same work for 6 days. How long will it take the man to do the work?

[A] ○ 15 days

[B] ○ 10 days

[C] ○ 2 days

[D] ○ 5 days

[E] ○ 25 days

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Savings 15%
Others 10%
Clothing 15%
Food 23%
Housing 20%
Transport 5%
Education 12%

The minimum expenditure of the family was on

[A] ○ transport

[B] ○ housing.

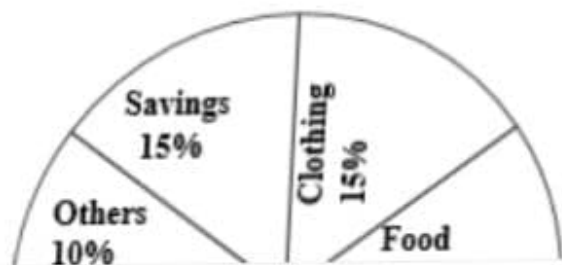[C] ○ clothing.

[D] ○ education.

[E] ○ savings

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If X and Y are replaced with 7 and 5 respectively, determine the new mean of the distribution.

The minimum expenditure of the family was on

[A] ○ transport

[B] ○ housing.

[C] ○ clothing.

[D] ○ education.

[E] ○ savings

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Clothing 25% 6% Mortgage 34% 19% Food

2001

Total Income: ₦50,000

Clothing 25% Mortgage 24% Food 21%
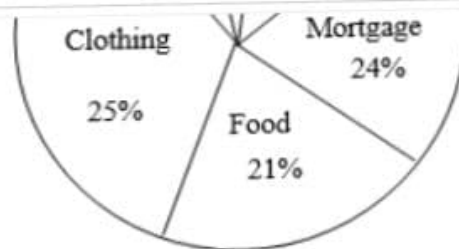
2002

Total Income: ₦75,000

What was the total amount of money spent on food in 2001?

[A] ○ N15,750

[B] ○ N10,000

[C] ○ N9,500

[D] ○ N15,000

[E] ○ N14,250

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thousands are shown below.

Company	1st day	2nd day	3rd day	4th day	5th day
PPP	20	30	40	50	60
QQQ	5	10	20	30	40
RRR	3	5	10	20	30
SSS	2	5	-	10	20
TTT	20	10	20	30	40

Which electronic companies sales volume in fifth day was approximately ten times its sales in first day?

[A] ○ PPP and QQQ

[B] ○ QQQ and RRR

[C] ○ SSS and TTT

[D] ○ QQQ and PPP

[E] ○ RRR and SSS

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thousands are shown below.

Company	1st day	2nd day	3rd day	4th day	5th day
PPP	20	30	40	50	60
QQQ	5	10	20	30	40
RRR	3	5	10	20	30
SSS	2	5	-	10	20
TTT	20	10	20	30	40

Which electronic company(ies) have (has) shown a decline in sales over the period first day – fifth day?

[A] ○ TTT and QQQ

[B] ○ PPP and SSS

[C] ○ RRR

[D] ○ TTT

[E] ○ SSS and TTT

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The sales volume in five electronic companies over the last five days in thousands are shown below.

Company	1st day	2nd day	3rd day	4th day	5th day
PPP	20	30	40	50	60
QQQ	5	10	20	30	40
RRR	3	5	10	20	30
SSS	2	5	-	10	20

Which electronic company(ies) have (has) shown a decline in sales over the period first day – fifth day?

[A] ○ TTT and QQQ

[B] ○ PPP and SSS

[C] ○ RRR

[D] ○ TTT

[E] ○ SSS and TTT

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Study and determine the value of x.

31	34
26	56

62	68
52	x

[A] ○ 110

[B] ○ 120

[C] ○ 132

[D] ○ 112

[E] ○ 122

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Find the value of k.

4	10	200	k	22
12	30	600	90	66

[A] ○ 70

[B] ○ 80

[C] ○ 30

[D] ○ 50

[E] ○ 88

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1 2 3 4 5 6 7

What is the average of 7 consecutive prime numbers starting with 3?

[A] ○ 10.7

[B] ○ 8.9

[C] ○ 15.5

[D] ○ 25.6

[E] ○ 12.6