

Berry Q#6A

Apple : Berry : Cherry : Date
3 : 6 : 2 : 5

$$\text{Apple} = \text{Berry} + 35$$

Berry : Apple

$$3 + 6 = 9$$

25
105

$$(\text{Berry} + \text{Berry} + 35) \times 3 = \text{Berry} + 35$$

$$2\text{Berry} + 35 = \text{Berry} + 35$$

$$2\text{Berry} + 35 = 3\text{Berry} + 105$$

$$3\text{Berry} - 2\text{Berry} = 105 - 35$$

$$\boxed{\text{Berry} = 70}$$

Q6 (b)

$$\begin{array}{r} 105 \\ - 35 \\ \hline 70 \end{array}$$

Data

$$\text{Price} = 200$$

$$\text{Discount} = 25\%$$

$$\text{Tax} = 6\%$$

$$\text{Discounted Price} = 200 \times 25 = 50$$

$$\text{Discounted Price} = \text{MAZ} \quad 100 \\ = 200 - 50 = 150$$

$2 \frac{18}{54}$

Date: _____

$$\text{Tax} = 6\%$$

$$\frac{3180 \times 6}{100} = 9$$

$$\text{Amount paid} = 150 - 9$$

$= 141$

Q6. (C)

Given

$$\text{Speed} = 18 \text{ km/h}$$

$$\text{Distance} = 36 \text{ km}$$

$$t = 1 \text{ PM}$$

Solution

$$18 \text{ km/h} = \frac{36}{t}$$

$$18t = 36$$

$$t = \frac{36}{18}$$

$$t = 2$$

Time of reaching 3 PM

Q6. D

(1) Statistics

(1) Alg

$$\begin{array}{r} 1 \\ 2 \\ 2 \\ 2 \\ 9 \\ 11 \\ 12 \\ 13 \\ 3 \end{array}$$

$$\begin{array}{r} 3 \\ 4312 \end{array}$$

$$1437.3$$

$$4312$$

$$352 \times$$

$$173$$

$$49$$

$$88$$

$$7$$

$$1$$

$$42$$

$$163$$

$$38$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$199$$

$$\text{Volume} = 1437.3$$

$$3$$

$$4312$$

$$3$$

$$88 \times 49 =$$

$$4 \sqrt[3]{22 \times 49}$$

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$$\text{Volume of sphere} = \frac{4}{3} \pi r^3$$

$$\text{radius} = \frac{14}{2} = 7 \text{ cm}$$

$$\text{radius Diameter}$$

$$\text{Volume of sphere} = \frac{4}{3} \pi r^3$$

$$\text{Q \# 7 (A)}$$

$$4 \sqrt[3]{22 \times 49}$$

Date:

7B

Data

five friends = \$ let = A, B, C, D, E

A: B: C: D: E
1: 2: 3: 4: 5

Total Savings = 25000

$$1+2+3+4+5 = 15$$

$$A = \frac{25000}{15} \times 1$$

$$\frac{5000}{3} = 1666.6$$

$$B = \frac{25000}{15} \times 2$$

$$\frac{10000}{3} = 3333.3$$

$$C = \frac{25000}{15} \times 3 = 5000$$

$$D = \frac{25000}{15} \times 4 = 6666.6$$

$$\frac{20000}{3}$$

MAZ

$$\begin{array}{r} 6 \\ 3 \overline{) 20} \\ \underline{18} \\ 20 \end{array}$$

$$\begin{array}{r} 16 \\ 3 \overline{) 50} \\ \underline{3} \\ 20 \\ \underline{18} \\ 2 \end{array}$$

$$\begin{array}{r} 333 \\ 3 \overline{) 1000} \\ \underline{9} \\ 10 \end{array}$$

$$\begin{array}{r} 13333 \\ 3 \overline{) 40000} \\ \underline{3} \\ 10 \end{array}$$

$$D = \frac{28000 \times 81}{183}$$

$$D = 8333.3$$

So the Smallest share is
 1666.6

7c

$$2 \times 3 = 6$$

$$6 \times 3 = 18$$

$$18 \times 3 = 54$$

$$54 \times 3 = 162$$

So 486 does not fit

11

3, 5, 7, 11, 13 = Series of prime numbers

So next is 17

3, 5, 7, 11, 13, 17