Quantitative Aptitude

Approximations

Level-1

Q1 Find the Approximate Value.
34.99 × 17.98 ÷ 6.97 – 72.93 = ? – 128.99
(A) 132 (B) 156
(C) 172 (D) 164
(E) 146

Q2 (22.99+ 17.01)÷ 1.998 x 3.997 - 41.998 + 644.199 = ?
(A) 798 (B) 542
(C) 682 (D) 745
(E) none of these

Q3 $339.01 + 211.01 - 380.01 = \ ? \ - 320.01$
(A) 490 (B) 440
(C) 380 (D) 520
(E) 400

Q4 $? = (1248.28 + 51.7) \div 99.9 - 7.98$
(A) Multiple of 5
(B) Multiple of 7
(C) 43 < ? < 300
(D) 13 > ? < 32
(E) None of these

Q5 Find the approximate value :
286.97 × 56.97 + 240.91 = √624.95 × ?
(A) 624 (B) 648
(C) 616 (D) 632
(E) 664

Q6 $32 \div 3.996 \div 9.98 + 29 = \ ?$
(A) 113 < ? < 123
(B) 33 > ? < 20
(C) 20 < ? > 22
(D) 43 < ? < 23
(E) None of these

Q7 11.92^2 + 15.96 of 2.93 – 19.92 ÷ 3.99 = ?
(A) 187 (B) 205
(C) 117 (D) 165
(E) 197

Q8 $[(22.5 \times 36.003) \div 47.987] \times ? \ = \ 5863.10376$
(A) 113 < ? < 123
(B) 120 < ? > 122
(C) 133 > ? < 320
(D) 143 < ? < 300
(E) None of these

Q9 What approximate value will come at the place of question mark (?).
1768.98 ÷ 61.07 = ? + 10.97
(A) 18 (B) 25
(C) 15 (D) 10
(E) 13

Q10 $\sqrt[3]{1330.99} + 43.98 - 14.95 + ? = 188.88$
(A) 209 (B) 189
(C) 165 (D) 149
(E) 179

Q11 $\frac{?}{4} + 44.01 + 139.99 = 78.09 + 249.01 + 86.99$
(A) 113 < ? < 823
(B) 240 < ? > 222
(C) 333 > ? < 120
(D) 430 < ? < 223
(E) None of these

Q12 $15.98 \times 49.97 - 18.03 \times 32.01 + (14.01)^2 = \ ?$
(A) 400 (B) 450
(C) 350 (D) 380
(E) 420

Q13 What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)

$3.94 + \frac{1}{12.93}$ of {2599.96 ÷ (117.98 – 107.98)} = ?

(A) 16 (B) 20

(C) 32 (D) 28

(E) 24

Q14 Find the Approximate Value.

$324.95 - [(11.99)^2 - 74.9] = (?)^2 - 67.99$

(A) 22 (B) 18

(C) 28 (D) 38

(E) None of these

Q15 **What approximate value should come in place of question mark (?)in the following questions?**

$\sqrt{25.50\% \ of 500.04 - 22.02\% \ of \ 20.98 + 2} = ?$

(A) 5 (B) 6

(C) 8 (D) 7

(E) 9

Q16 Find the approximate value :

(18.10 × 5.05 – 10.098) – ($\frac{3}{4}$ of 15.83) = 33.35 + ?

(A) 36 (B) 28

(C) 30 (D) 46

(E) None of these

Q17 What approximate value will come in the place of the question mark '?' in the following question ?

$54.98 + (25.01)^{1/2} + ? = (35.98)^{1/2} + (8.01)^2$

(A) 10 (B) 20

(C) 30 (D) 40

(E) 50

Q18 851.92 - 12.93 × 7.98 - 101.92 × 2.93 - 0.91 = $?^2$

(A) 19 (B) 17

(C) 15 (D) 21

(E) None of these

Q19 ? + 185.10 – 79.09 = $(23.01)^2$ - 70.01% of 139.99

(A) 113 < ? < 330

(B) Multiple of 5

(C) Both A & B

(D) 43 < ? < 23

(E) None of these

Q20 $\frac{1639.99}{41.01} + \frac{?}{400} \times 999.990 = 779.9909$

(A) 286 (B) 278

(C) 318 (D) 296

(E) None of these

Level-2

Q1 Find the approximate value :
$(2.99^2 \times 3.99^2 \times 4.99) \div 35.99 = (?)^2 - 79.99$
(A) 12 (B) 20
(C) 10 (D) 15
(E) 25

Q2 $28+(22.02)^2 = 2 \times (?)^2$
(A) Multiple of 2
(B) Multiple of 4
(C) Square of 4
(D) 15 < ? > 10
(E) All of the above

Q3 Find the approximate Value.
49.99×? + 12.01×44.99 = 759.99 + 2.99×60.01
(A) 4 (B) 8
(C) 16 (D) 20
(E) 12

Q4 $24.998 + (4.9989)^2 = ? \div \frac{1}{4.9900865}$
(A) 9 < ? < 3
(B) 12 > ? < 122
(C) 13 < ? < 15
(D) 23 < ? < 150
(E) None of these

Q5 89.9% of 400.01 + 14.99% of 4800.01 – 676.99 = ?
(A) 413 (B) 419
(C) 403 (D) 389
(E) None of these

Q6 17.99% of 199.98 + ?% of 600.01 = 39.99% of 750.01
(A) 48 (B) 30
(C) 44 (D) 50
(E) None of these

Q7 63.9872 × 9449.8780 ÷ 243.003 = (?)²
(A) Multiple of 2 (B) Multiple of 10
(C) Multiple of 5 (D) 50
(E) 55

Q8 $599.99 \times \frac{3}{2}$ of 19.92% of $(109.99 - 9.99) = ?$
(A) 12000 (B) 22000
(C) 16000 (D) 18000
(E) None of these

Q9 $45.0112 \div 64.992 \times 312.211 + 361.11 = ?^2 + 11.09 \times 32.13$
(A) 15 (B) 45
(C) 35 (D) 55
(E) None of these

Q10 $(2\times ?)^2$+499.99% of 112.01 = 1239.99 - 8.01 ×34.99
(A) 18 (B) 12
(C) 15 (D) 14
(E) 10

Q11 $95.98 + (30.01)^2 - 795.99 = (?)^2 + 3.94$
(A) Multiple of 7 (B) Multiple of 2
(C) Both A & B (D) Multiple of 3
(E) None of these

Q12 Find the Approximate Value.
44.04% of 349.98 + 205.01% of 140.01 = (?)²
(A) Multiple of 9 (B) Multiple of 3
(C) Cube of 3 (D) 21
(E) 25

Q13 19.66% of $144.87 - \frac{266.47}{118.84} \times \frac{17}{18.84} = ?^3$
(A) 5 (B) 7
(C) 4 (D) 3
(E) 6

Q14 $?\%$ of $(1131.145 - 501.923 - 241.02 - 187.7 = 59.99456$
(A) 30 (B) 50
(C) 40 (D) 70
(E) 80

Q15 ?²+29.07×5.114–115.117 = 8.9% of 400.118+522.9
(A) Multiple of 5
(B) Prime No.
(C) Non Prime No.
(D) Multiple of 7

(E) None of these

Q16 $\left[(1763.97)^{\frac{1}{2}} + (2197.04)^{\frac{1}{3}}\right] = ? + 4.021 \times 7.9$

(A) 15 (B) 8

(C) 12 (D) 5

(E) None of these

Q17 $\sqrt[3]{\frac{404.99 \times 315.01 \times 245.40}{27}}$

(A) 100 (B) 105

(C) 110 (D) 115

(E) None of these

Q18 $35.99 + 32.0032 = \frac{68}{10.998} \times \sqrt{?}$

(A) 113 < ? < 103

(B) 120 < ? < 112

(C) 133 > ? < 140

(D) 143 < ? < 300

(E) None of these

Q19 $(15.95)^{\frac{1}{4}} + (3.01)^3 - 111.99 \times 2.02 + (9.98)^2$

(A) Negative No.

(B) Multiple of 5

(C) Both A & B

(D) 143 < ? < 300

(E) None of these

Q20 $(25.11)^{\frac{1}{2}} \times (80.87)^{\frac{1}{4}} \times (49.22)^{\frac{1}{2}} + 3.13 \times 7.01 + 2 = 2^{?}$

(A) 2 (B) 4

(C) 7 (D) 9

(E) 5

Level-3

Q1 $771.999 + \frac{437.99}{2.01} - 80.99 \times (1.99)^3 = (?)^3$

(A) 8 (B) 4
(C) 6 (D) 7
(E) 9

Q2 $34.971\%\ of\ 80.13 \times 20.03\%\ of\ 250.01 - 423.87 = ? + 51.991 \times 8.13$

(A) 580 (B) 550
(C) 570 (D) 560
(E) 540

Q3 $\frac{(21.87)^2+448.98-32.80}{(4.99)^3+\sqrt[3]{511.94}-?} = 8.98$

(A) 33 (B) 53
(C) 63 (D) 101
(E) None of these

Q4 $? - 554.09 - 50.045\%\ of\ \frac{6450.01}{42.91} = 35.79 \times 41.12 \div 369.03$

(A) 647
(B) 537
(C) 679
(D) 511
(E) None of the above.

Q5 $(77.987\%\ of\ 358) + (68.55\%\ of\ 729) = ?$

(A) Multiple of 2
(B) Multiple of 10
(C) Multiple of 5
(D) 780
(E) None of these

Q6 What approximate value will come at the place of question mark (?).

15.98% of 2374.99 = 24.98% of ? + 29.98% of 1119.99

(A) 176 (B) 186
(C) 225 (D) 325
(E) 200

Q7 $\frac{5435.99}{302.12} + 18 + 53.89 + 35.98\%\ of\ 1000 = \frac{108.11}{5.99} \times ? + 216.05$

(A) 10 (B) 12
(C) 13 (D) 15
(E) None of these

Q8 $(63.94 \times 15.96 \div 255.96)^2 = \sqrt[3]{[3.94^{(?\ -3)}]}$

(A) 11 (B) 13
(C) 9 (D) 7
(E) None of these

Q9 What approximate value will come at the place of question mark (?).

$\sqrt[3.01]{726}$ + 19.956% of 881.0954 + 25.08% of 2200.96 = ?

(A) 960 (B) 735
(C) 855 (D) 951
(E) none of these

Q10 What approximate value will come at the place of question mark (?).

$(782.85)^{1/2}$ + 37.505% of 2688.04 + 48.12 × 34.25 ÷ (67.78) = ?

(A) 780 (B) 1340
(C) 1060 (D) 1220
(E) 1000

Answer Key

Level-1

Q1	(E)	Q11	(B)
Q2	(C)	Q12	(E)
Q3	(A)	Q13	(E)
Q4	(A)	Q14	(B)
Q5	(E)	Q15	(A)
Q6	(C)	Q16	(A)
Q7	(A)	Q17	(A)
Q8	(E)	Q18	(D)
Q9	(A)	Q19	(C)
Q10	(D)	Q20	(D)

Level-2

Q1	(C)	Q11	(C)
Q2	(E)	Q12	(D)
Q3	(B)	Q13	(D)
Q4	(B)	Q14	(A)
Q5	(C)	Q15	(B)
Q6	(C)	Q16	(B)
Q7	(D)	Q17	(B)
Q8	(D)	Q18	(C)
Q9	(A)	Q19	(C)
Q10	(E)	Q20	(C)

Level-3

Q1	(D)	Q6	(A)
Q2	(C)	Q7	(C)
Q3	(A)	Q8	(C)
Q4	(E)	Q9	(B)
Q5	(D)	Q10	(C)

Hints & Solutions

Level-1

Q1 Text Solution:

Given expression is

34.99 × 17.98 ÷ 6.97 – 72.93 = ? – 128.99

⇒ 35 × 18 ÷ 7 - 73 = ? -129

⇒ 35 × $(\frac{18}{7})$ - 73 = ? -129

⇒ ? = 35 × $(\frac{18}{7})$ - 73 + 129

⇒ ? = 90 - 73 + 129 ⇒ ? = 146

Q2 Text Solution:

(22.99 +17.01)÷ 1.998 x 3.997- 41.998+ 644.199 = ?

{$(\frac{23+17}{2})$} 4 - 42 + 644=?

?= 20 x 4- 42 + 644

?= 80+ 644 - 42=724-42= 682

Q3 Text Solution:

339 +211- 380

$\simeq$? = 320

? $\simeq$ 870 - 380

? $\simeq$ 490

Q4 Text Solution:

$= (1248.28 + 51.7) \div 99.9 - 7.98$

$= (1300 \div 100) - 8$

$= 5$

$? = 25$

Q5 Text Solution:

286.97 × 56.97 + 240.91 = √624.95 × ?

⇒ 287 × 57 + 241 = √625 × ?

⇒ 16359 + 241 = 25 × ?

⇒ 25 × ? = 16600

⇒ ? = 16600/25

⇒ ? = 664

Q6 Text Solution:

$32 \div 4 \div 10 + 29 = ?$

$? = 8 \div 10 + 29$

$? = 29.8 \approx 30$

Q7 Text Solution:

Given expression is

11.92^2 + 15.96 of 2.93 – 19.92 ÷ 3.99 = ?

⇒ 12^2 + 16 of 3 – 20 ÷ 4 = ?

⇒ 144 + 16 × 3 – 5 = ?

⇒ 144 + 48 – 5 = ?

⇒ 187 = ?

Q8 Text Solution:

$[(22.5 \times 36.003) \div 47.987] \times ? = 5863.10376$

$\frac{22.5 \times 36}{48} \times ? = 5863$

$? \approx 347$

Q9 Text Solution:

1768.98 ÷ 61.07 = ? + 10.97

? = 1769 ÷ 61 - 11

= 29 - 11

= 18

Q10 Text Solution:

$\approx \sqrt[3]{1331} + 44 - 15 + ? = 189$

? = 189 - 29 – 11

? = 149

Q11 Text Solution:

$\frac{?}{4} + 44.01 + 139.99 = 78.09 + 249.01 + 86.99$

$\Rightarrow \frac{?}{4} + 44 + 140 \simeq 78 + 249 + 87$

$\Rightarrow \frac{?}{4} \simeq 414 - 184$

$\Rightarrow \frac{?}{4} \simeq 230$

$\Rightarrow ? \simeq 920$

Q12 Text Solution:

$16 \times 50 - 18 \times 32 + 196 = ?$

$? = 800 - 576 + 196$

$? = 420$

Q13 Text Solution:

Given expression is

3.94 + $\frac{1}{12.93}$ of {2599.96 ÷(117.98 –107.98)} = ?

⇒ 4 + $\frac{1}{13}$ of {2600 ÷ (118 – 108)} = ?

⇒ 4 + $\frac{1}{13}$ of {2600 ÷ 10} = ?

⇒ 4 + $\frac{1}{13}$ of 260 = ?

⇒ 4 + 20 = ?

∴ ? = 24

Q14 Text Solution:

$324.95 - [(11.99)^2 - 74.9] = (?)^2 - 67.99$

⇒ $325 - [(12)^2 - 75] = (?)^2 - 68$

⇒ $325 - [144 - 75] + 68 = (?)^2$

⇒ $325 - 69 + 68 = (?)^2$

⇒ 324 = $(?)^2$

⇒ 18 = ?

Q15 Text Solution:

Ans: 5

$\sqrt[3]{25.50\%\ of 500.04\ -\ 22.02\%\ of\ 20.98\ +2}$

$=?$

$\sqrt[3]{127-4+2}$ = ?

? = $\sqrt[3]{125}$

? = 5

Q16 Text Solution:

Given expression becomes,

⇒ (18 × 5 – 10) – ($\frac{3}{4}$ of 16) = 33 + ?

⇒ (90 – 10) – ($\frac{3}{4}$ × 16) = 33 + ?

⇒ (80) – (3 × 4) = 33 + ?

⇒ 80 – 12 = 33 + ?

⇒ 68 = 33 + ?

⇒ ? = 68 – 33 ⇒ ? ≈ 35

Q17 Text Solution:

$54.98\ +\ (25.01)^{1/2}\ +\ ?\ =\ (35.98)^{1/2}\ +$

$(8.01)^2$

$55\ +\ 5\ +\ ?\ =\ 6\ +\ 64$

$60\ +\ ?\ =\ 70$

$?\ =\ 10$

Q18 Text Solution:

Given expression is

851.92 - 12.93 × 7.98 - 101.92 × 2.93 - 0.91 = $?^2$

⇒ 852 - 13 × 8 - 102 × 3 - 1 = $?^2$

⇒ 852 - 104 - 306 -1 = $?^2$

⇒ 441 = $?^2$

⇒ 21 = ?

Q19 Text Solution:

? + 185.10 – 79.09

= (23.01)² - 70.01% of 139.99

$\Rightarrow ?\ +185-79\simeq(23)^2-\frac{70}{100}\times140$

$\Rightarrow\ ?\ +106\simeq529-98$

$\Rightarrow\ ?\simeq\ 431-106\simeq325$

Q20 Text Solution:

$\frac{1640}{41}+\frac{?}{400}\times1000=780$

$?\ \times2.5=780-40$

$?=\frac{740}{2.5}$

$?=296$

Level-2

Q1 Text Solution:

$(2.99^2 \times 3.99^2 \times 4.99) \div 35.99 = (?)^2 - 79.99$

$\Rightarrow (3^2 \times 4^2 \times 5) \div 36 = (?)^2 - 80$

$\Rightarrow (?)^2$ = ((9 × 16 × 5) ÷ 36) + 80

$\Rightarrow (?)^2$ = (720 ÷ 36) + 80

$\Rightarrow (?)^2$ = 20 + 80 = 100

$\Rightarrow$ (?) = = 10

Q2 Text Solution:

$28 + (22.02)^2 = 2 \times (?)^2$

$\Rightarrow +(22)^2 \simeq 2 \times (?)^2$

$\Rightarrow 28 + 484 \simeq 2 \times (?)^2 \Rightarrow 512 \simeq 2 \times (?)^2$

$\Rightarrow$ (?)² ≃ 256

$\Rightarrow$? = 16

Q3 Text Solution:

$? \times 50 + 540 = 760 + 180$

$? = \frac{400}{50}$

$? = 8$

Q4 Text Solution:

$24.998 + (4.9989)^2 = ? \div \frac{1}{4.9900865}$

$\approx \frac{25+25}{5}$

≈ 10

Q5 Text Solution:

$\frac{90}{100} \times 400 + \frac{15}{100} \times 4800 - 677 = ?$

$? = 360 + 720 - 677$

$? = 403$

Q6 Text Solution:

$\frac{18}{100} \times 200 + \frac{?}{100} \times 600 = \frac{40}{100} \times 750$

$? \times 6 = 300 - 36$

$? = \frac{264}{6}$

$? = 44$

Q7 Text Solution:

63.9872 × 9449.8780 ÷ 243.003 = (?)²

64 × 9450 ÷ 243 = (?)²

≈ 50

Q8 Text Solution:

599.99 × $\frac{3}{2}$ of 19.92% of (109.99 − 9.99) = ?

= 600 × $\frac{3}{2}$ of 20% of 100 = ?

= 600 × $\frac{3}{2}$ of 20/100 of 100 = ?

= 600 × $\frac{3}{2}$ of 20 = ?

= 600 × $\frac{3}{2}$ × 20 = ?

= 600 × 30 = 18000 = ?

Q9 Text Solution:

45 × $\frac{1}{65}$ × 312 + 361 = ?² + 11 × 32

577 = ?² + 352

$? = (225)^{\frac{1}{2}}$

? = 15

Q10 Text Solution:

$(2\times?)^2 + \frac{500}{100} \times 112$

$= 1240 - 280$

$(2\times?)^2 = 1240 - 280 - 560$

$(2\times?)^2 = 400$

?=10

Q11 Text Solution:

$(?)^2 \approx 96 - 4 + 104$

$= 196$

? ≈ 14

Q12 Text Solution:

44.04% of 349.98 + 205.01% of 140.01 = (?)²

$\Rightarrow \frac{44}{100} \times 350 + \frac{205}{100} \times 140 \simeq (?)^2$

$\Rightarrow$ 154 + 287 ≃ (?)²

$\Rightarrow$ 441 ≃ (?)²

$\Rightarrow$?

= 21

Q13 Text Solution:

$\frac{20}{100} \times 145 - \frac{266}{119} \times \frac{17}{19} = ?^3$

$\Rightarrow ?^3 = 29 - 2$

$\Rightarrow ?^3 = 3^3 \Rightarrow ? = 3$

Q14 Text Solution:

$\frac{?}{100}$ × (1131− 502−241−188) = 60

$\frac{?}{100} \times 200$ = 60

? = $\frac{60}{2}$ = 30

Q15 Text Solution:

?²+29.07×5.114−115.117=8.9% of 400.118+ 522.9

?² + 29 × 5 − 115 ≈ 9% of 400 + 523

$\Rightarrow$?² + 30 ≈ $\frac{9}{100}$ × 400 + 523

$\Rightarrow ?^2 + 30 \approx 36 + 523$

$\Rightarrow ?^2 \approx 529$

$\Rightarrow ? \approx 23$

Q16 Text Solution:

$42 + 13 = ? + 32$

$55 - 32 = ?$

$? = 23$

Q17 Text Solution:

$\frac{\sqrt[3]{405\times315\times245}}{} = ?$

$\Rightarrow ? = \frac{\sqrt[3]{5\times81\times5\times63\times5\times49}}{3}$

$\Rightarrow ? = \frac{5\times7\times9}{3} \Rightarrow ? = 105$

Q18 Text Solution:

$36 + 32 = \frac{68}{11} \times \sqrt{?}$

$68 = \frac{68}{11} \times \sqrt{?}$

$? = 121$

Q19 Text Solution:

$(15.95)^{\frac{1}{4}} + (3.01)^3 - 111.99 \times 2.02$

$+ (9.98)^2$

$129 - 224$

$= -95$

Q20 Text Solution:

$(25.11)^{\frac{1}{2}} \times (80.87)^{\frac{1}{4}} \times (49.22)^{\frac{1}{2}} + 3.13$

$\times\ 7.01 + 2 = 2^?$

Taking the approximate values,

$25.11 \approx 25, 80.87 \approx 81, 49.22 \approx 49, 3.13 \approx 3, 7.01 \approx 7$

$\Rightarrow \quad (25)^{\frac{1}{2}} \times (81)^{\frac{1}{4}} \times (49)^{\frac{1}{2}} + 3 \times 7 + 2$

$= 2^?$

$\Rightarrow 5 \times 3 \times 7 + 23 = 2^?$

$\Rightarrow 2^? = 128$

$\therefore ? = 7$

Level-3

Q1 Text Solution:

$991 - 648 = (?)^3$

$(?)^3 = 343$

$? = 7$

Q2 Text Solution:

$\frac{35}{100} \times 80 \times \frac{20}{100} \times 250 - 424$ = ? + 52 × 8

1400 – 424 = ? + 416 = 560

Q3 Text Solution:

$\approx \frac{(22)^2+449-33}{9} = (5)^3 + \sqrt[3]{512} - ?$

⇒ 100 = 133 – ?

⇒ ? = 33

Q4 Text Solution:

$? - 554 - \frac{50}{100} \times \frac{6450}{43} = \frac{36 \times 41}{369}$

? –554 – 75 = 4

? = 4 + 629

? = 633

Q5 Text Solution:

≈ 280 +500

≈ 780

Q6 Text Solution:

15.98% of 2374.99 = 24.98% of ? + 29.98% of 1119.99

16% of 2375 = 25% of ? + 30% of 1120

0.25 × ? + 0.30 × 1120 = 0.16 × 2375

0.25 × ? + 336 = 380

0.25 × ? = 44

? = 176

Q7 Text Solution:

$\frac{5436}{302} + 18 + 54 + \frac{36}{100} \times 1000$

$= \frac{108}{6} \times ? + 216$

$? = \frac{(18 + 72 + 360 - 216)}{18} \approx 13$

Q8 Text Solution:

Given expression is

$(63.94 \times 15.96 \div 255.96)^2 = \sqrt[3]{[3.94^{(?-3)}]}$

$\Rightarrow (64 \times 16 \div 256)^2 = \sqrt[3]{[4^{(?-3)}]}$

$\Rightarrow \left(64 \times \frac{16}{256}\right)^2 = \sqrt[3]{[4^{(?-3)}]}$

$\Rightarrow 4^2 = \sqrt[3]{[4^{(?-3)}]}$

$\Rightarrow 4^6 = 4^{(?-3)}$

⇒ (?) – 3 = 6

⇒ (?) = 9

Q9 Text Solution:

$\sqrt[3.01]{726}$ + 19.956% of 881.0954 + 25.08% of 2200.96 = ?

$\sqrt[3]{729}$ + 20% of 880 + 25% of 2200 = ?

? = 9 + 0.20 × 880 + 0.25 × 2200

? = 9 + 176 + 550

? = 735

Q10 Text Solution:

$(782.85)^{1/2}$ + 37.505% of 2688.04 + 48.12 × 34.25 ÷ (67.78) = ?

? = $(784)^{1/2}$ + 37.5% of 2688 + 48 × 34 ÷ 68

? = 28 + $\frac{37.5}{100}$ x 2688 + 48 x $\frac{1}{2}$

? = 28 + 1008 + 24

? = 1060