

NAT-IE Pre Engineering Quantitative Easy Test

Sr	Questions	Answers Choice
1	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
2	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
3	Find the ratio of 18 inches to 2 yards.	A. 3/4 B. 1/4 C. 1/5 D. 2/5
4	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
5	$Z + 1/Z = 2$; $Z = ?$	A. 2 B. 1 C. 1/2 D. 1 1/2
6	$x^2 = 1681$, $x = ?$	A. 31 B. 41 C. 51 D. 61
7	$350 - -96 \div 18 = ?$	A. 318 B. -132 C. 328 D. 232
8	Find the ratio of 18 inches to 2 yards.	
9	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. how much time in minutes is needed to fill the tank if both the pipes are working together?	A. 90 B. 50 C. 60 D. 30
10	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60 ?	A. 120 B. 60 C. 100 D. 70
11	If $(p-3)(p+4) > (p-3)(p+8)$, what is the best description of p?	A. $p=3$ B. $-8 < p < -5$ C. $p = \{ \}$ D. $p \geq 3$
12	A and B can do a jobs in 6 days. If A does the job alone he takes 10 days.What will be time required by B to complete the job alone?	A. 8 B. 6 C. 15 D. 3
13	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
14	$(242 - 17)^2 - (7-5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
15	A man opens a bookstall with a capital of Rs. 25000. In three month his capital amounts to rupees 27500. What is the increase percent ?	A. 1% B. 10% C. 20% D. 7%
16	$1 \frac{3}{4} - 1 \frac{3}{5} = ?$	A. 0.16 B. 0.2 C. 0.15

17	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day ?	A. 50 B. 95 C. 84 D. 74
18	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
19	A team played 30 games of which it won 24. What part of the games played did it close ?	A. $\frac{1}{5}$ B. $\frac{5}{6}$ C. $\frac{6}{5}$ D. 5
20	A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase ? (25%)	A. 25% B. 50% C. 15% D. 20%
21	$72 + 679 + 1439 + 537 + ? = 4036$	A. 1309 B. 1208 C. 2308 D. 2423
22	If $3x+5y=10$ and $3y+5x=30$ then average if 'x' and 'y' is?	A. $\frac{3}{2}$ B. 4 C. $\frac{5}{2}$ D. $\frac{7}{2}$
23	$9218 - 3546 + 2354 = ?$	A. 8026 B. 8116 C. 10410 D. 23174
24	If $abc = 2$ and $a = c$ then $b =$	A. a^2 B. $\frac{1}{2a}$ C. $\frac{2}{a^2}$ D. $2 - a^2$
25	If $x\%$ of 60 = 48, then $x = ?$	A. 80 B. 60 C. 90 D. 40
26	A and B can do a job in 6 day. If A do the job alone he takes 10 days. What will be the time required by B to complete the job alone ?	A. 8 B. 6 C. 15 D. 3
27	If a man's weekly salary is \$X and he saves \$Y, what part of his weekly salary does he spend?	
28	t is an integer than 5. The expression that must represent an odd integer is:	A. $1(t+1)$ B. $9t-1$ C. t^2 D. $2t-3$
29	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600
30	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. $25\frac{3}{5}$ B. $5\frac{3}{5}$ C. 20 D. 128
31	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
32	$x\sqrt{0.09} = 3$: $x = ?$	A. 10 B. $\frac{1}{3}$ C. $\frac{1}{10}$ D. 1
33	If you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans ?	A. 12 B. 13 C. 16 D. 17
34	If $(36)(?)(7) = 21$, then ? equals	A. $\frac{21}{43}$ B. $\frac{1}{42}$ C. $\frac{1}{12}$ D. $\frac{1}{11}$

35	If $3\frac{1}{5}c = 2\frac{1}{2}b$ and $c \neq 0$, then $b/c = ?$	A. 25/32 B. 7/8 C. 32/25 D. 11/10
36	Question Image	A. a B. 90-a C. $180-a/2$ D. 180-a
37	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
38	What part of an hour elapses between 10:45 a.m. and 11:09 a.m. ?	A. 2/5 B. 3/5 C. 11/12 D. 2
39	In a school there are 400 students, of whom 70% are boys: what is the number of girls ?	A. 120 B. 200 C. 280 D. 2800
40	How many integers between 28 and 98 are exactly divisible by 7 ?	A. 9 B. 11 C. 12 D. 8
41	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
42	Question Image	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
43	If p is a negative integer and $P^2 + 11p = t$, a value of t could be	A. 12 B. 18 C. -18 D. 11
44	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
45	If the ratio of x : y is 9 : 7, then x+y is	A. 16 B. 2 C. 1 D. None
46	Question Image	A. 20 B. 25 C. 40 D. 50
47	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
48	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
49	$7/3 \div 35/18 \div 54/20 = ?$	A. 49/4 B. 4/9 C. 4/63 D. 81/35
50	The population of a city increased in two years from 25,000 to 30,000: find the increase percent during the time.	A. 10% B. 20% C. 40% D. 5%
51	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank ?	A. 300 B. 750 C. $250\frac{3}{4}$ D. $333\frac{1}{3}$
52	$x + v = 17$ and $x = 2$. then value of v?	A. 13 B. 15 C. 17

		C. 19 D. 10
53	$(44 \times 3) + 128 + 120 / 9.5 - 94.7$	A. 380 B. 10 C. 76.12 D. 100
54	If $(36)(?)(7)=21$, then ? equals	A. $21/43$ B. $1/42$ C. $1/12$ D. $1/11$
55	Question Image	A. 40 B. 50 C. 120 D. 130
56	A factory employs M men and W women. What part of its employees are women ?	A. $W/(W+M)$ B. W/M C. $(W+M)/M$ D. M/W
57	If p is a negative integer and $p^2+11p=t$, a value of t could be:	A. 12 B. 18 C. -18 D. 11
58	If a train travels $5/6$ miles in $1\frac{1}{4}$ minutes, how many miles will it travel in 1 hour?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
59	Question Image	A. 30 B. 39 C. 80 D. 78
60	A man has Rs. 2000, and spends 18% of it. What money has he left now ?	A. 3600 B. 820 C. 1640 D. 4000
61	In a school there are 400 students , of whom 70% are boys. What is the number of girls?	A. 130 B. 200 C. 280 D. 2800
62	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. $2(x^2+y^2)$ C. $4xy$ D. $-4xy$
63	Question Image	A. 5 B. 10 C. 110 D. 125
64	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
65	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section ?	A. $2/5$ B. $3/7$ C. $2/3$ D. $1/13$
66	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13\frac{1}{5}$, what should be the correct answer to the example?	A. $2\frac{8}{11}$ B. $5/66$ C. $2\frac{1}{5}$ D. $11/30$
67	$(60)^2 = ? \times 7$	A. 3600 B. 3528 C. 0.02 D. 50
68	Question Image	A. 41×10^3 B. 65×10^3 C. 115×10^3 D. 106×10^3
69	t is an integer greater than 5. The expression that must represent an odd integer is	A. $t(t+1)$ B. $3t-1$ C. t^2+2 D. $2t-3$
		A. 600 B. 222



70	What is the sum of money, of which 6% is 18 dollars ?	B. 200 C. 300 D. 10
71	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
72	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. $10a+b+c$
73	$11/3 + 8/3 + 17/3$	A. 14 B. 12 C. 11 D. 15
74	Find the sum of money, 11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000
75	$816 - 288 \div 24 = ?$	A. 22 B. 828 C. 528 D. 804
76	Question Image	A. 4π B. 18π C. 28π D. 32π
77	If apples cost 3 for 37 cents, find the cost of $1 \frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
78	If a train travels $\frac{5}{6}$ mile in $1 \frac{1}{4}$ minutes, how many miles will it travel in 1 hour ?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
79	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
80	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
81	Four people are asked to stand in a straight line. In how many different orders can they line up ?	A. 12 B. 16 C. 24 D. 6
82	If Myra had bowling scores of $b + 6$, $b - 2$, $b + 4$, and $b - 5$, what must she score in the next game to get an overall average of $b + 2$?	A. $b + 7$ B. $b - 3$ C. $b + 3$ D. $b - 7$
83	The average height of a class of 14 days is 5.3 feet. After new boy is admitted to the class, the new average height now becomes 5.25. What is the height of the new boy?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
84	How many miles are there between two cities if the distance is represented by a 2.4 inch line on a map having a scale of 1 inch to 8 miles?	A. 19.0 B. 12.8 C. 8.5 D. 38
85	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
86	In Myra had bowling scores of $b+6$, $b-2$, $b+4$, and $b-5$. what must she score in the next game to get overall average of $b+2$?	A. $b+7$ B. $b-3$ C. $b+3$ D. $b-7$

87	If $2x + y + b11$ nad $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
88	A clerk filled 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filled per day?	A. 50 B. 95 C. 84 D. 74
89	Dave is twice as old as Bob, who is 3 years older than steve. If Steve is 4a years old, Dave's age is:	A. 8a B. 22a C. 14a D. $8a+6$
90	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
91	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence ?	A. 20 B. 400 C. 2000 D. 1000
92	$(160 - 130) (270 - 240) / 2250 \div 50 = ?$	A. $4/3$ B. $2/3$ C. 45 D. 20
93	Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is 4a years old, Dave's age is	A. 8a B. 22a C. 14a D. $8a + 6$
94	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 a.m. Thursday of the same week?	A. $1/10$ B. $1/18$ C. $1/15$ D. $1/12$
95	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. How much time in minutes is needed to fill the tank if both the pipes are working together ?	A. 90 B. 90 C. 60 D. 30
96	If 'x' and 'y' are positive and $1/x = 3 + 1/y$ is 'x' greater than 'y'?	A. Yes B. No C. It cannot be determined D. They are equal
97	A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase?	A. 25% B. 50% C. 15% D. 20%
98	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make ?	A. $25 \frac{3}{5}$ B. $5 \frac{3}{5}$ C. 20 D. 128
99	What is the number of 5% of which is 10 ?	A. 200 B. 100 C. 50 D. 10
100	If you have 50 green , 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans?	A. 12 B. 13 C. 16 D. 17
101	If apples cost 3 for 37 cents, find the cost of $1 \frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
102	If $abc = 2$ and $a = c$ then $b =$	A. $a^{>2}</sup>$ B. $1/2a$ C. $2/a^{>2}</sup>$ D. $2 - a^{>2}</sup>$
103	If 7 apples cost y cents, how many apples will x dollars buy?	A. $x/7y$ B. $7x/y$ C. $7x/100y$ D. $700x/y$
The death rates for three diseases are : Disease R 2 People out of 10,000 Disease S 12 People out of 1,000,000		A. 123 out of 1,000,000

104	Disease S 15 People out of 1,000,000 Disease T 9 People out of 100,000 Disease R 2 People out of 10,000 What is the combined death rate for the three diseases?	B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000
105	Question Image	A. 55 B. 70 C. 110 D. 125
106	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. $a+1/10b+1/100c$ C. $10a+b+c$ D. $10a+b+c/10$
107	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
108	A rectangular lot 50 feet by 100 feet is surrounded on all sides by a concrete walk 5 feet wide. Find the number of square feet in the surface of the walk.	A. 1600 B. 5250 C. 5500 D. 6100
109	$\sqrt{169}/196 \times 14/\sqrt{1521} = ?$	A. 13/42 B. 1/13 C. 42/5 D. 1/42
110	25% of $4 \div 4\%$ of 25 =?	A. 1 B. 3 C. 0 D. 6
111	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
112	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
113	$3/4$ of 432 = ?	A. 340 B. 232 C. 324 D. 316
114	Question Image	A. $b-180$ B. $b-90$ C. $180-a/2$ D. $180-a$
115	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
116	If it takes 10 minutes to walk $3/7$ mile, how many minutes will it take to walk the rest of the mile ?	A. 2 $1/3$ B. 13 $1/3$ C. 4 $2/7$ D. 30
117	If $(p-3)(p+5) > (p-3)(p+8)$, what is the best description of p ?	A. $p = 3$ B. $-8 < p < -5$ C. $p = \{ \text{ \ \ \ \ \ \}$ D. $p < 3$
118	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
119	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours ?	A. 32 B. 4 C. 16 D. 8
120	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
121	A man opens a bookstall with a capital of Rs.25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20%

	rupees 27500. What is the increase percent?	C. 20% D. 7%
122	$0.007 \div \sqrt{0.000049}$	A. 1 B. 0.0049 C. 2 D. 7
123	David receives his allowance on Sunday. He spends $\frac{1}{4}$ of his allowance on Monday and $\frac{2}{3}$ of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. $\frac{2}{3}$ B. $\frac{4}{5}$ C. $\frac{6}{7}$ D. $\frac{1}{4}$
124	If it takes 10 minutes to walk $\frac{3}{4}$ mile, how many minutes will it take to walk the rest of the mile?	A. $2\frac{1}{3}$ B. $13\frac{1}{3}$ C. $4\frac{2}{7}$ D. 30
125	If $4x - y = 13$ and $3x - 2y = 7$ then what is the average of 'x' and 'y'?	A. 4 B. 3 C. 2 D. 6
126	$\frac{1}{2}$ of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
127	Find the sum of money, 11% of which is Rs. 1650.	A. 150 B. 3300 C. 25000 D. 15000
128	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 9000 C. 300 D. 900
129	Find the value of x if $3 : b = x : c$.	
130	The average of x, y, z and 40 is 10. What is the average of x, y, and Z.	A. 10 B. 0 C. 2 D. 15
131	$\sqrt{?}/16 = 0.5$	A. 8 B. 12 C. 32 D. 64
132	$72/3 \div 18/6 = ?$	A. 72 B. 8 C. 18 D. 48
133	The value of $\{0.5^4 - 0.4^4\} / \{0.5^2 + 0.4^2\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
134	A man spent 10% of his money .After spending 60% of the reminder he has Rs.72 left. How much had he in the start?	A. 10 B. 100 C. 200 D. 400
135	Find the value of x if $3:b=x:c$.	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
136	If $a^2 - b^2 = 36$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $\frac{3}{2}$
137	Question Image	A. 15 B. 30 C. 45 D. 72
138	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
139	$Ay - b = c$,dy what is 'y' in terms of 'a', 'b' and 'c'?	A. $(c+b) / (a+d)$ B. $(c-b) / (a+d)$ C. $(c-b) / (a+d)$ D. $(c+b) / (a-d)$

140	$7 \times 21 \div 3 + 3 / 8 + 4 \times 2$	A. 13 B. 17 C. 31 D. 1
141	How many cents will r books cost if t books cost m dollars ?	
142	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. 250 $\frac{3}{5}$ D. $333 \frac{1}{3}$
143	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	A. 10% B. 20% C. 40% D. 5%
144	One half of the employees of Al Karim Co. earn salaries above Rs. 18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff earns below Rs. 15,000 ?	A. $\frac{2}{3}$ B. $\frac{1}{3}$ C. $\frac{2}{5}$ D. $\frac{3}{5}$
145	$224\sqrt{0.88} = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
146	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
147	If 7 apples cost y cents, how many apples will x dollars buy ?	A. $x / 7y$ B. $7x / y$ C. $7x / 100y$ D. $700x / y$
148	How many cents will r books cost if t books cost m dollars?	A. $100mr / t$ B. $mr / 100$ C. $100t / mr$ D. $m / 100t$
149	When $3x^2 + 5x + 7$ is subtracted from $x^2 + 8x + 3$ the result is?	A. $5x^2 - 3x + 4$ B. $3x - 2x^2 - 4$ C. $x^2 + 8x + 10$ D. $11x^2 - 3x + 10$
150	How many miles are there between two cities if the distance is represented by a 2.4-inch line on a map having a scale of 1 inch to 8 miles ?	A. 19.2 B. 12.8 C. 8.5 D. 38
151	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$, what should be the correct answer to the example ?	A. $2 \frac{8}{11}$ B. $\frac{5}{66}$ C. $2 \frac{1}{5}$ D. $\frac{11}{30}$
152	$\sqrt{256} \div \sqrt{64} = ?$	A. $\frac{1}{4}$ B. $\frac{26}{8}$ C. 16 D. 4
153	The average height of a class of 14 boys is 5.3 feet. A new boy admitted to the class, the new average of height now becomes 5.25. What is the height of the new boy ?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
154	Question Image	A. b B. b-180 C. 90-b D. 180-b
155	Question Image	A. 780 B. 585 C. 1170 D. 540
156	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
157	$1764 \div 17.64 / 0.5$	A. 100 B. 20 C. 0.2 D. 200

158	A motion was passed by a vote of 5 : 3. what part of the votes cast was is favor of the motion?	<p>A. 3/5</p> <p>B. 5/8</p> <p>C. 3/8</p> <p>D. 5/3</p>
159	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	<p>A. $(y+z) / (y-z)$</p> <p>B. $yz / (y+z)$</p> <p>C. $(y+z) / yz$</p> <p>D. $1/z - 1/y$</p>
160	If the sum of the interior angles of a regular polygon measures up to 1440 degrees, how many sides does the polygon have ?	<p>A. 10 sides</p> <p>B. 8 sides</p> <p>C. 12 sides</p> <p>D. 9 sides</p>
161	The average of x,y,z and 40 is 10. What is the average of x,y, adn z.	<p>A. 10</p> <p>B. 0</p> <p>C. 2</p> <p>D. 15</p>
162	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence?	<p>A. 20</p> <p>B. 400</p> <p>C. 2000</p> <p>D. 1000</p>
163	12% of x =360	<p>A. 250</p> <p>B. 100</p> <p>C. 400</p> <p>D. 3000</p>
164	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	<p>A. 8000</p> <p>B. 9000</p> <p>C. 300</p> <p>D. 900</p>
165	$(580 \times 12) - (645 \times 5) / 50 \times 10 = ?$	<p>A. 7.47</p> <p>B. 3725</p> <p>C. 74.7</p> <p>D. 4450</p>
166	Change $27/7$ to a mixed number.	<p>A. $6 \frac{1}{3}$</p> <p>B. $7 \frac{1}{2}$</p> <p>C. $3 \frac{6}{7}$</p> <p>D. $2 \frac{1}{7}$</p>
167	$Ay-b=c-dy$ what is 'y' in terms of 'a', 'b' and 'c'?	<p>A. 30</p> <p>B. $38/2$</p> <p>C. $38/3$</p> <p>D. $38/5$</p>
168		<p>A. a-180</p> <p>B. $2a-180$</p> <p>C. $180-2a$</p> <p>D. $180-b$</p>
169	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	<p>A. 20.7</p> <p>B. $21 \frac{7}{8}$</p> <p>C. 1.47</p> <p>D. 31.7</p>
170	If $(x+1/x)^2=96$ what is the value of $x^2 + 1/x^2$?	<p>A. 94</p> <p>B. 98</p> <p>C. 100</p> <p>D. 90</p>
171		<p>A. 40</p> <p>B. 50</p> <p>C. 90</p> <p>D. 130</p>
172	If the area of two circles are in the ratio 169 : 196 then ratio of their radii is	<p>A. 13 : 11</p> <p>B. 10 : 13</p> <p>C. 14 : 13</p> <p>D. 13 : 14</p>
173	$2.08 - (0.5)^2=?$	<p>A. -1.20</p> <p>B. 1.88</p> <p>C. 1.83</p> <p>D. 2.16</p>
174	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	<p>A. $576/x$</p> <p>B. $48/5x$</p> <p>C. $24/x$</p> <p>D. $576/5x$</p>
175	If $x + 3y = 7$ and $2x + y = 5$ then value x/y is?	<p>A. $1/2$</p> <p>B. $1/3$</p> <p>C. $2/5$</p> <p>D. $8/9$</p>

176	12 is $\frac{3}{4}$ of what number ?	A. 20 B. 24 C. 16 D. 8
177	? x 12 = 75% of 336	A. 48 B. 252 C. 28 D. 21
178	$0.027\sqrt{90} = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003
179	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^2 + y^2$ C. 4xy D. -4xy
180	The average height of five men is 68 inches. If one man is 70 inches tall and three other have an average of 67 inches, the height of the fifth man, in inches, is:	A. 68 B. 69 C. 70 D. 71
181	$(x+y)^2=25$ and $x^2+y^2=13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
182	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^3 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
183	$\frac{5}{3} + \frac{7}{6} + \frac{9}{3} + \frac{7}{2} = ?$	A. $\frac{28}{3}$ B. $\frac{112}{3}$ C. $\frac{28}{12}$ D. $\frac{14}{7}$
184	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
185	$(60)^2 = ? \times 72$	A. 3600 B. 3528 C. 0.02 D. 50
186	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75% D. 400%
187	Change $4\frac{4}{2}$ to an improper fraction:	A. $\frac{14}{3}$ B. $\frac{11}{3}$ C. $\frac{24}{3}$ D. $\frac{10}{3}$
188	A man spent 10% of his money. After spending 60% of the remainder he has Rs. 72 left. How much had he in the start ?	A. 10 B. 100 C. 200 D. 400
189	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
190	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. x^2 B. $x^2 - 3$ C. $(x-3)^2/7$ D. None
191	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?	A. $\frac{1}{10}$ B. $\frac{1}{18}$ C. $\frac{1}{15}$ D. $\frac{1}{12}$
192	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days ?	A. $\frac{576}{x}$ B. $\frac{48}{5x}$ C. $\frac{24}{x}$

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D. $576/5x$

193

An angle is 30° more than one-half its complement. Find the angle.

- A. 20°
- B. 30°
- C. 50°
- D. 60°