


## Quantitative Test for HEC HAT 3 Arts & Humanities, Social Sciences

Sr	Questions	Answers Choice
1	Question Image	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
2	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
3	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
4	Question Image	A. 20 B. 25 C. 40 D. 50
5	If the area of two circles are in the ratio 169 : 196 then ratio of their radii is	A. 13 : 11 B. 10 : 13 C. 14 : 13 D. 13 : 14
6	t is an integer than 5. The expression that must represent an odd integer is:	A. $1(t+1)$ B. $9t-1$ C. $t^2+2$ D. $2t-3$
7	If $(x+1/x)^2=96$ what is the value of $x^2 + 1/x^2$ ?	A. 94 B. 98 C. 100 D. 90
8	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^2+y^2$ C. $4xy$ D. $-4xy$
9	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
10	$\sqrt{?}/16 = 0.5$	A. 8 B. 12 C. 32 D. 64
11	A man has Rs. 2000, and spends 18% of it. What money has he left now ?	A. 3600 B. 820 C. 1640 D. 4000
12	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
13	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%
14	Question Image	A. 40 B. 50 C. 90 D. 130
15	Find the sum of money, 11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000

16	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. $\frac{7}{2}$
17	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
18	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. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$250</span> B. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$300</span> C. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$400</span> D. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$380</span>
19	$1\frac{3}{4} - 1\frac{3}{5} = ?$	A. 0.16 B. 0.2 C. 0.15 D. $\frac{13}{20}$
20	$(580 \times 12) - (645 \times 5) / 50 \times 10 = ?$	A. 7.47 B. 3725 C. 74.7 D. 4450
21	What is the sum of money, of which 6% is 18 dollars ?	A. 600 B. 200 C. 300 D. 10
22	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
23	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
24	$x + y = 17$ and $x = 2$ , then value of y?	A. 13 B. 15 C. 19 D. 10
25	If 7 apples cost y cents, how many apples will x dollars buy ?	A. $x / 7y$ B. $7x / y$ C. $7x / 100y$ D. $700x / y$
26	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
27	Find the value of x if $3 : b = x : c$ .	
28		A. 30 B. 39 C. 80 D. 78
29	$9218 - 3546 + 2354 = ?$	A. 8026 B. 8116 C. 10410 D. 23174
30	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
31	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
32	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. $21\frac{7}{8}$ C. 1.47

		<p>31.7</p> <p>D. 31.7</p>
33	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 ?	<p>A. 1%</p> <p>B. 10%</p> <p>C. 20%</p> <p>D. 7%</p>
34	A man has Rs.2000 and spends 18% of it. What money has he left now?	<p>A. 3600</p> <p>B. 820</p> <p>C. 1640</p> <p>D. 4000</p>
35	How many integers between 28 and 98 are exactly divisible by 7 ?	<p>A. 9</p> <p>B. 11</p> <p>C. 12</p> <p>D. 8</p>
36	Question Image	<p>A. 780</p> <p>B. 585</p> <p>C. 1170</p> <p>D. 540</p>
37	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>
38	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 ?	<p>A. 50</p> <p>B. 95</p> <p>C. 84</p> <p>D. 74</p>
39	$72 + 679 + 1439 + 537 + ? = 4036$	<p>A. 1309</p> <p>B. 1208</p> <p>C. 2308</p> <p>D. 2423</p>
40	Find the ratio of 18 inches to 2 yards.	
41	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 ?	<p>A. 10</p> <p>B. 100</p> <p>C. 200</p> <p>D. 400</p>
42	$\sqrt{256} \div \sqrt{64} = ?$	<p>A. 1/4</p> <p>B. 26/8</p> <p>C. 16</p> <p>D. 4</p>
43	12 is $\frac{3}{4}$ of what number ?	<p>A. 20</p> <p>B. 24</p> <p>C. 16</p> <p>D. 8</p>
44	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 ?	<p>A. 12</p> <p>B. 13</p> <p>C. 16</p> <p>D. 17</p>
45	Question Image	<p>A. b</p> <p>B. b-180</p> <p>C. 90-b</p> <p>D. 180-b</p>
46	$(242 - 17)^2 - (7-5)^2 = ?$	<p>A. 49000</p> <p>B. 49200</p> <p>C. 94200</p> <p>D. 49400</p>
47	If $2x + y + b = 11$ and $3x + 2y = 17$ then y is?	<p>A. 1</p> <p>B. 5</p> <p>C. 6</p> <p>D. 4</p>
48	In a school there are 400 students , of whom 70% are boys. What is the number of girls?	<p>A. 130</p> <p>B. 200</p> <p>C. 280</p> <p>D. 2800</p>
49	Four people are asked to stand in a straight line. In how many different orders can they line up?	<p>A. 12</p> <p>B. 16</p> <p>C. 24</p> <p>D. 6</p>
50	$1764 \div 17.64 \div 0.5$	<p>A. 100</p> <p>B. 20</p> <p>C. 0.2</p> <p>D. 200</p>

51	$224\sqrt{0.88}=? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
52	$(160 - 130) (270 - 240) / 2250 \div 50 = ?$	A. 4/3 B. 2/3 C. 45 D. 20
53	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
54	If $x + 3y = 7$ and $2x + y = 5$ then value $x/y$ is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
55	Question Image	A. 15 B. 30 C. 45 D. 72
56	$7 \times 21 \div 3 + 3 / 8 \div 4 \times 2$	A. 13 B. 17 C. 31 D. 1
57	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
58	Question Image	A. 5 B. 10 C. 110 D. 125
59	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
60	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
61	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
62	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 3/5 D. 333 1/3
63	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
64	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
65	Question Image	A. a B. 90-a C. 180-a/2 D. 180-a
66	Question Image	A. $4\pi$ B. $18\pi$ C. $28\pi$ D. $32\pi$
67	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 3/5 B. 5 3/5 C. 20 D. 128
68	$350 - -96 \div 18 = ?$	A. 318 B. -132 C. 328 D. 222

69	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. $8a + 6$
70	$x\sqrt{0.09} = 3$ : $x = ?$	A. 10 B. $1/3$ C. $1/10$ D. 1
71	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. $10a + b + c/10$
72	An angle is $30^\circ$ more than one-half its complement. Find the angle.	A. $20^\circ$ B. $30^\circ$ C. $50^\circ$ D. $60^\circ$
73	If $(p-3)(p+4) > (p-3)(p+8)$ , what is the best description of $p$ ?	A. $p=3$ B. $-8 \leq p \leq -5$ C. $p \in \{ \}$ D. $p \leq 3$
74	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
75	$? \times 12 = 75\%$ of 336	A. 48 B. 252 C. 28 D. 21
76	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
77	$(44 \times 3) + 128 + 120 / 9.5 - 94.7$	A. 380 B. 10 C. 76.12 D. 100
78	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
79	$t$ is an integer greater than 5. The expression that must represent an odd integer is	A. $t(t+1)$ B. $3t-1$ C. $t^2$ D. $2t-3$
80	Find the ratio of 18 inches to 2 yards.	A. $3/4$ B. $1/4$ C. $1/5$ D. $2/5$
81	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
82	Change $27/7$ to a mixed number.	A. $6 \frac{1}{7}$ B. $7 \frac{1}{2}$ C. $3 \frac{6}{7}$ D. $2 \frac{1}{7}$
83	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
84	If 7 apples cost $y$ cents, how many apples will $x$ dollars buy?	A. $x/7y$ B. $7x/y$ C. $7x/100y$ D. $700x/y$
85	A motion was passed by a vote of 5 : 3. what part of the votes cast was in favor of the motion?	A. $3/5$ B. $5/8$ C. $3/8$

		<p>5. 5/3</p> <p>D. 5/3</p>
86	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.	<p>A. 1200</p> <p>B. 1050</p> <p>C. 1030</p> <p>D. 7070</p>
87	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	<p>A. b</p> <p>C. <math>10a+b+c</math></p>
88	Question Image	<p>A. 50 m</p> <p>B. 64 m</p> <p>C. 72 m</p> <p>D. 84 m</p>
89	Question Image	<p>A. <math>41\sqrt{O}</math></p> <p>B. <math>65\sqrt{O}</math></p> <p>C. <math>115\sqrt{O}</math></p> <p>D. <math>106\sqrt{O}</math></p>
90	$816 - 288 \div 24 = ?$	<p>A. 22</p> <p>B. 828</p> <p>C. 528</p> <p>D. 804</p>
91	$(190)^2 - (150)^2 = ?$	<p>A. 58600</p> <p>B. 13600</p> <p>C. 1360</p> <p>D. 1600</p>
92	$2.08 - (0.5)^2 = ?$	<p>A. -1.20</p> <p>B. 1.88</p> <p>C. 1.83</p> <p>D. 2.16</p>
93	Question Image	<p>A. b-180</p> <p>B. b-90</p> <p>C. <math>180-a/2</math></p> <p>D. 180-a</p>
94	$(60)^2 = ? \times 7$	<p>A. 3600</p> <p>B. 3528</p> <p>C. 0.02</p> <p>D. 50</p>
95	Question Image	<p>A. a-180</p> <p>B. 2a-180</p> <p>C. <math>180-2a</math></p> <p>D. 180-b</p>
96	If $(36)(?)(7)=21$ , then ? equals	<p>A. <math>21/43</math></p> <p>B. <math>1/42</math></p> <p>C. <math>1/12</math></p> <p>D. <math>1/11</math></p>
97	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?	<p>A. 50</p> <p>B. 95</p> <p>C. 84</p> <p>D. 74</p>
98	What is the sum of money, 6% of which is 18 dollars?	<p>A. 600</p> <p>B. 200</p> <p>C. 300</p> <p>D. 20</p>
99	$(60)^2 = ? \times 72$	<p>A. 36</p> <p>B. 3600</p> <p>C. 40</p> <p>D. 50</p>
100	What is the number of 5% of which is 10 ?	<p>A. 200</p> <p>B. 100</p> <p>C. 50</p> <p>D. 10</p>
101	<p>The death rates for three diseases are :</p> <p>Disease R 2 People out of 10,000</p> <p>Disease S 13 People out of 1,000,000</p> <p>Disease T 9 People out of 100,000</p> <p>Disease R 2 People out of 10,000</p> <p>What is the combined death rate for the three diseases?</p>	<p>A. 123 out of 1,000,000</p> <p>B. 42 out of 10,000</p> <p>C. 42 out of 1000,000</p> <p>D. 303 out of 1,000,000</p>
102	$12\% \text{ of } x = 360$	<p>A. 250</p> <p>B. 100</p> <p>C. 400</p> <p>D. 3000</p>

103	If $(36)(?)(7)=21$ , then ? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
104	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. $8a+6$
105	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
106	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
107	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
108	If $(p-3)(p+5)>(p-3)(p+8)$ , what is the best description of $p$ ?	A. $p = 3$ B. $-8 < p < -5$ C. $p = \{ \text{ \&nbsp; \&nbsp; \&nbsp; } \}$ D. $p < 3$
109	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
110	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
111	How many cents will $r$ books cost if $t$ books cost $m$ dollars?	A. $100mr / t$ B. $mr / 100$ C. $100t / mr$ D. $m / 100t$
112	David receives his allowance on Sunday. He spends 1/4 of his allowance on Monday and 2/3 of the remainder on Tuesday. What part of his allowance is left for the rest of the week ?	A. 2/3 B. 4/5 C. 6/7 D. 1/4
113	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
114	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
115	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
116	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
117	If $x\%$ of $60 = 48$ , then $x = ?$	A. 80 B. 60 C. 90 D. 40
118	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. $11/30$
119	A team played 30 games of which it won 24. What part of the games played did it close ?	A. 1/5 B. 5/6 C. 6/5 D. 5
120	$Ay-b=c$ ,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. $(c+b) / (a-d)$
121	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
122	If $a^2 - b^2 = 36$ and $a-b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
123	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. $13/42$ B. $1/13$ C. $42/5$ D. $1/42$
124	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. $X^2$ B. $x^{\sup>2\</sup>-3}$ C. $(x-3)^{\sup>2\</sup>/7}$ D. None
125	Change $4 \frac{4}{2}$ to an improper fraction:	A. $14/3$ B. $11/3$ C. $24/3$ D. $10/3$
126	$7/3 \div 35/18 \div 54/20 = ?$	A. $49/4$ B. $4/9$ C. $4/63$ D. $81/35$
127	$11/3 + 8/3 + 17/3$	A. 14 B. 12 C. 11 D. 15
128	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
129	The average of x,y,z and 40 is 10. What is the average of x,y, adn z	A. 10 B. 0 C. 2 D. 15
130	$0.007 \div \sqrt{0.000049}$	A. 1 B. 0.0049 C. 2 D. 7
131	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
132	Question Image	A. 55 B. 70 C. 110 D. 125
133	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. $b - 7$
134	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
135	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
136	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
137	Find the sum of money, 11% of which is Rs. 1650.	A. 150 B. 3300 C. 25000 D. 15000
138	$0.007 \div 0.00049 = ?$	A. 0.0003 B. 0.03



		C. 3 D. 0.00003
139	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
140	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. $11/30$
141	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
142	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. $\frac{2}{5}$ B. $\frac{3}{7}$ C. $\frac{2}{3}$ D. $\frac{1}{13}$
143	$(60)^2 = ? \times 72$	A. 3600 B. 3528 C. 0.02 D. 50
144	If $3\frac{1}{5}c = 2\frac{1}{2}b$ and $c \neq 0$ , then $b/c = ?$	A. $\frac{25}{32}$ B. $\frac{7}{8}$ C. $\frac{32}{25}$ D. $\frac{11}{10}$
145	$\frac{1}{2}$ of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
146	If it takes 10 minutes to walk $\frac{3}{7}$ 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
147	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
148	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%
149	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
150	If the ratio of $x : y$ is $9 : 7$ , then $x+y$ is	A. 16 B. 2 C. 1 D. None
151	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
152	$72/3 \div 18/6 = ?$	A. 72 B. 8 C. 18 D. 48
153	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
154	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. $\frac{1}{12}$
155	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. $\frac{3}{5}$

156	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	B. 20% C. 40% D. 5%
157	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
158	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y+z) / (y-z)$ B. $yz / (y+z)$ C. $(y+z) / yz$ D. $1/z - 1/y$
159	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. $4xy$ D. $-4xy$
160	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
161	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
162	$25\% \text{ of } 4 \div 4\% \text{ of } 25 = ?$	A. 1 B. 3 C. 0 D. 6
163	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
164	Find the value of x if $3:b = x:c$ .	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
165	$5/3 + 7/6 + 9/3 + 7/2 = ?$	A. $28/3$ B. $112/3$ C. $28/12$ D. $14/7$
166	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
167	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
168	$x^2 = 1681$ , $x = ?$	A. 31 B. 41 C. 51 D. 61
169	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
170	If $abc = 2$ and $a = c$ then $b =$	A. $a^2$ B. $1/2a$ C. $2/a^2$ D. $2 - a^2$
171	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
172	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. $M/W$
173	When $3x^2 + 5x + 7$ is subtracted from $x^2 + 8x + 3$ the result is?	A. $5x^2 - 3x + 4$ B. $3x^2 - 2x - 4$ C. $x^2 + 8x + 10$ D. $11x^2 + 3x + 10$

174	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
175	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
176	If a man's weekly salary is \$X and he saves \$Y, what part of his weekly salary does he spend?	
177	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
178	$Ay - b = c - dy$ what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. $38/2$ C. $38/3$ D. $38/5$
179	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
180	$Z + 1/Z = 2$ ; $Z = ?$	A. 2 B. 1 C. $1/2$ D. $1 \frac{1}{2}$
181	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days ?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
182	How many cents will r books cost if t books cost m dollars ?	
183	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
184	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
185	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% D. 7%
186	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. $333 \frac{1}{3}$
187	If $abc = 2$ and $a = c$ then $b =$	A. $a^{>2}$ B. $1/2a$ C. $2/a^{>2}$ D. $2 - a^{>2}$
188	Question Image	A. 40 B. 50 C. 120 D. 130
189	$3/4$ of 432 = ?	A. 340 B. 232 C. 324 D. 316
190	$(x+y)^2 = 25$ and $x^2 + y^2 = 13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
191	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

A. 25%

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| 192 | 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? | B. 50%<br>C. 15%<br>D. 20%          |
| 193 | The population of a city increased in two years from 25,000 to 30,000: find the increase percent during the time.  | A. 10%<br>B. 20%<br>C. 40%<br>D. 5% |