



MATHS

BOOKS - JNAN PUBLICATION

Revision of Previous Lessons



1. Find the values of parameter a for which the function.

 $y = ax^3 + 3x^2 + (2a + 1)x + 1000$

is strictly decreasing for all real values of x.



4. verify , if the values are same for all these cases.

A.
$$20 + 8 \div (4 - 2)$$

B.
$$(20+8) \div (4-2)$$

$$C.(20-8)(4-2)$$

D.
$$20 - 8(4 - 2)$$

Answer:



5. form similar simplification sums with numbers 12, find

their values. $12 + 6 \div (3 - 1)$

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6. simplify the following : $256 \div \overline{16 \div 2} \div \overline{18 \div 9} \times 2$



7.
$$(12-2) \div 2$$

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8.
$$\{90 - (48 - 21)\} \div 7$$

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9. let us find which number have 2 as one of their multiples.



10. find which number have 6 as their multiples and mark

it red.



that \Box is the only even prime number.



12. from note down 20 composite number, 5 prime number 15 even numbers.



14. find the prime numbers between 101 to 200 and note

down.

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15. Find HCF of 12, 18, and 30?



16. An educational trip to Gadiyara had been arranged by our school for collection environment related date. 32 studens of class six, 36 students of class seven and 28 students of class eight are going for the trip, few small school buses have been arranged so that each bus must accoumodate equal number of studentsfrom the three classes. Let us find ,total number of buses required and number of students each but will accomodate.



17. find HCF of 65, 25 and 55





18. find HCF of 48, 80, and 70

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19. HCF of 15 and 16

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20. find HCF of 25, 35 and 60 by the method of Division.

21. find LCM of 12, 18 and 24 by finding their prime

factors.

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22. find the least number, which is divisible by 8 and 9.

Let's find LCM of 8 and 9.



23. At 5 in the morning, 3 cocks crowed together. The first cock crows after every 36 secs, the second cock, after every 30 secs and the thired cock crows after every 48 secs. When will the cocks crow together again?





'0'.

27. find mentally find 3 multiples of 7 which are greater than 50.

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28. find mentally think and find 2 digit numbers which are multiples of 4.

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29. find mentally three numbers which are the factors of

4.





33. Which number is neither prime nor composite?

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34. 42 is multiple of which of the following numbers-

A. 7

B. 13

C. 5

D. 6

Answer:



35. Which of the following numbers has 11 as a factor

A. 101

B. 111

C. 121

D. 112

Answer:

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36. take another number 12. let us find out from table , which number have 12 as their multiple and circle all 12's writ red.



38. find which number have 6 as their multiples and mark

it red.



39. Which of the following pairs of numbers are mutually

prime— 5, 7



40. Which of the following pairs of numbers are mutually

prime— 10, 21

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41. Which of the following pairs of numbers are mutually

prime— 10, 15



42. Which of the following pairs of numbers are mutually

prime— 16, 15



43. find LCM of the following by division method— 25, 35,

45



44. find two composite numbers which are mutually prime.



45. HCF of mutually prime numbers

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46. LCM of mutually prime numbers	
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47. Finding prime factors and then, Let's find HCF of the	
following— 22, 44	

48. Finding prime factors and then, Let's find HCF of the

following — 54, 72



49. Finding prime factors and then, Let's find HCF of the

following— 27, 64

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50. Finding prime factors and then, Let's find HCF of the

following- 36, 30



51. Finding prime factors and then, Let's find HCF of the

following- 28, 35, 49



52. Finding prime factors and then, Let's find HCF of the

following— 30, 72, 96,



53. Finding prime factors and Let's find HCF of the following— 20, 70



54. find LCM of the following by division method— 28, 35

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55. find LCM of the following by division method— 54, 72
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56. find LCM of the following by division method— 27, 63

57. find LCM of the following by division method— 25, 35,

45



60. find LCM of the following by finding their prime factors— 36, 39,



61. find LCM of the following by finding their prime

factors— 32.56

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62. find LCM of the following by finding their prime factors— 36, 48, 72

63. find LCM of the following by finding their prime factors— 25, 35 and 45



64. find LCM of the following by finding their prime

factors—32, 40 and 84

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65. which pair of numbers are mutually prime 47, 23,



69. find HCF and LCM of the following numbers by short

division method. 33 and 132



71. find HCF and LCM of the following numbers by short

division method. 32, 40 and 72

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72. find HCF of the following numbers . 28,49, 70





73. the least number which is divisible by 18, 24 and 42

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74. the greatest number which when divides 45 and 60

do not keep any remainders.

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75. the product of two numbers whose LCM and HCF are

252 and 6 respectively.



76. the HCF and LCM of two numbers are 8 and 280 and

one of the numbers is 56, let's find the other number.

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77. write two number whose HCF is 1	
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78. the maximum number of people among whom 48 rosogollas and 64 Sandeshes are. to be distributed in equal numbers.



79. Bibhash and his friends decided to form a theater group of either 8 or 10 people. Let's find minimum number of people who will be able to form both types of groups.

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80. Panchayat has sent flower saplings to the student's of class VI of Jodunath Vidya Mandir, for their school garden. It was found that if the saplings can be put in rows of 20, 24 and 30, then the number of saplings in

each row will be equal. Let's find the minimum number of

saplings that Panchayat sent to School.



81. The perimeter of a front sheel and rear wheel of an engine are 14 dcm. and 35 dcm respectively. Let' find the minimum distance the engine can cover before both wheels take complete revolutions together

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82. For each of the following cases, let's write numbers. H

,C .F. is 7





85. For each of the following cases, let's write numbers.

L.C.M. is \Box (Put 1 digit number)



87. Seema took a paper, same as mine, but coloured it

different. Let's find how and what portion she coloured.

88. find four equivalent fractions for each of the fraction



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89. In a fraction, if numerator is increased keeping denominator same, or denominator is inrreased keeping numerator same, let us find the change in the value of the fraction



90. I have a big Chocolate. Out of its 8 pieces, I gave 3

pieces to my younger sister, 2 pieces to my brother and

rest ate myself, Let's And what parts to chocolate we individually ate.



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92. There are few oranges in a basket After giving half of

the oranges to my grandfather, 2 oranges are left. Let's

find, how many oranges were there in the basket



93. In two glasses of equal size equal amount olemon drink was prepared. One glass contains $\frac{1}{5}$ part of sugar and the other contains $\frac{2}{7}$ part of sugar. Let's find without taking the drinks, which glass of lemon drink tastes sweeter.

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94. $\frac{5}{7}$ part of school has been painted. Let's find which part is till to be painted.

95. I have Rs20. I spent Rs5. find what part I spent and

what part is left with me.






 $\frac{14}{5}$



100. Express the following fractions by drawing pictures.











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103. Mark-proper fraction Improper fraction \Box and mixed fraction \triangle **Watch Video Solution** **104.** Write three equivalent fractions for each of the following $\frac{1}{5}$

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105. Write three equivalent fractions for each of the following $\frac{2}{5}$

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106. Write three equivalent fractions for each of the following $1\frac{1}{3}$



107. Write three equivalent fractions for each of the following $6\frac{1}{6}$

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108. Write three equivalent fractions for each of the following $3\frac{4}{5}$

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109. Express the following in their lowest form . $\frac{28}{49}$



113. Express the following in their lowest form $\frac{165}{108}$



115. Arrange the following fractions in ascending (smaller to bigger) order $\frac{5}{7}, \frac{3}{4}, \frac{1}{4}$

116. Arrange the following fractions in ascending (smaller

to bigger) order

$$3\frac{1}{2}, 3\frac{5}{9}, 3\frac{1}{5}$$







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124. find the total amount of Iodine, Phenol and Menthol

in the medicine.

	Units	Tenths	Hundredths	Thousandths	
Iodine 0.625 ml	0 .	6	2	5	i.
Phenol + 0.25 m	+0 .	2	5	0	
Menthol+ 0.50 ml	+0 .	5	0	0	



125. find values of the following
$$1\frac{3}{10} + 1\frac{4}{5} - 1\frac{1}{4}$$



126. compare 6.601 and 6.62 and find which one is greater

and by how much.

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127. the coloured portion interms of decimal fraction. $\frac{3}{10} part = 0 \cdot 3$ part

128. the coloured portion interms of decimal fraction. $\frac{36}{100}part = 0 \cdot 36part$

129. the coloured portion interms of decimal fraction.

$$rac{60}{100} part = 0 \cdot 6 part$$

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130. the coloured portion interms of decimal fraction.

$$rac{20}{100} part = 0 \cdot 2 part$$



131. the coloured portion interms of decimal fraction. $\frac{27}{100} = 0 \cdot 27 part$



132. prepare a place value table for the following numbers and write the numbers in words. $27\cdot 9$



133. prepare a place value table for the following numbers and write the numbers in words. $45\cdot06$



134. prepare a place value table for the following numbers and write the numbers in words. $712\cdot 5$

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135. prepare a place value table for the following

numbers and write the numbers in words. $42\cdot009$



136. prepare a place value table for the following numbers and write the numbers in words. $65\cdot135$

137. prepare a place value table for the following numbers and write the numbers in words. $4003\cdot08$

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138. prepare a place value table for the following numbers and write the numbers in words. $1\cdot 28$

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139. prepare a place value table for the following numbers and write the numbers in words. $38\cdot 205$



140. convert the following decimal numbers to fractions :

 $0 \cdot 3$

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141. convert the following decimal numbers to fractions :

 $0\cdot 21$

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142. convert the following decimal numbers to fractions :

 $0 \cdot 039$





145. arrange the following in increasing order (ascending

order). $0\cdot 534, 0\cdot 52, 5\cdot 34, 0\cdot 513$



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147. arrange the following in increasing order (ascending

order) $2 \cdot 0, 2 \cdot 005, 20 \cdot 05, 2 \cdot 5$

148. arrange the following in decreasing order : (desecending order) $13 \cdot 3, 11 \cdot 3, 1 \cdot 33, 2 \cdot 31$



149. arrange the following in decreasing order : (desecending order) $3\cdot 007, 3\cdot 07, 37\cdot 30, 7\cdot 13$



150. arrange the following in decreasing order : (desecending order) $0 \cdot 88, 0 \cdot 45, 8 \cdot 45, 0 \cdot 8217$



151. Decimal fraction Place of value of 8 $(38 \cdot 12, 2 \cdot 813, 1 \cdot 283, 243 \cdot 218)$



152. Place value of 5 is Let's write the decimal number $(572 \cdot 23, 5005, \cdot 4535, 24 \cdot 52, 10521 \cdot 451, 100532 \cdot 3254)$



153. read and express the following in decimal numbers :

six tenths



154. read and express the following in decimal numbers :

nine hundredths,



155. read and express the following in decimal numbers :

two thousandths,

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156. read and express the following in decimal numbers :

two hundred three point four five,



157. read and express the following in decimal numbers :

four thousands two units five thousandths,



158. read and express the following in decimal numbers :

sixhundred twentynine point zero zero five.



159. I had \$5, I bought a pen for \$3.50. Let's final how much money is left.

160. What must be added to 2.75 to get 3?

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161. From a string of length 12.5 cm, Mira cuts off 8.5 cm. Let's find, what portion of string is left				
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162. The length of my exerise book is \Box cm. and its				
162. The length of my exerise book is \Box cm. and its breadth is \Box cm. Let me find the peremeter of my				

163. For an occasion at our house, father bought rice for Rs.200, pulses for Rs.125.50 and vegetables for Rs.242.50.Let's calculate the total amount of money spent.



164. In a long-jump competition, Sahil jumped 182.88 cm and Munna jumped 179.25 cm of length. Let's find how much more did Sahil jump.



165. What must be added to 2.172 to gets 5?



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168. find the values of the following: 4.11 + 1.6

169. find the values of the following : 312.61 + 276.72

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170. find the values of the following : 5.0-555
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171. find the values of the following : 27.56 + 14.69
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172. find the values of the following : 4.3 + 3-6.4





176. Place the following angles under right heading.

 22.5°



179. Place the following angles under right heading. $100^{\,\circ}$





183. Place the following angles under right heading. 91°

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184. find, with which set of the lengths of line segments,		
triangle can be drawn : 2 cm, 3 cm, 4 cm,		
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185. find, with which set of the lengths of line segments,

triangle can be drawn : 4 cm, 3 cm 7 cm

186. find, with which set of the lengths of line segments,

triangle can be drawn : 1 cm, 3 cm, 2 cm



having diagonal 14 cm.



189. One wall of Nilajul's house has damaged. To repair the wall properly, they appointed masons. 5 masons took Rs.1000 daily and they worked for 6 days and complete half of the work. Find the total cost to repair the wall.

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190. In 6 days, 5 masons finished only half of the work. But 3 masons took more days to finish the remaining the work. Why so?

191. One wall of Nilajul's house has damaged. To repair the wall properly, they appointed masons. 5 masons took Rs.1000 daily and they worked for 6 days and complete half of the work. Find the total cost to repair the wall.



192. 10 of us decided to visit our farmhouse for a week. We arranged food accordingly. But at the last moment 4 more friends joined us. Let's find how long will that food

last.



193. A computer company manufactures 180 laptops with the help of 40 engineers in 30 days. How many engineers would be needed to manufacture 2700 laptops in 200 days.

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194. To construct an embankment on a certain part of river Ichhamati, 40 labours are required to work for 35 days, If the work has to be finished in 28 days, let us find how many labours will be needed?



195. Rajeed, Debangana, Masuum and Tajmira can do 150 sums in 6 days. If each of them does equal number of sums everyday in how many days will Rajeeb and Tajmira finish 250 sums?

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196. Two labouress can polish $\frac{1}{3}$ of a door in 1 day. How many labourers are needed to polish `(2)/(3) of a door in

2 days.



197. For mid-day meal of 500 students, 175 kg of rice is required for a week. After 75 kg of rice has been used, how long will remaining rice last for 400 sudents.

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198. 4 tractors are required to cultivate 360 bighas of land in 20 days, Let us find, how many tractors are needed to cultivate 1800 bighas of land in 10 days.



199. 15 vans can carry 75 quintals of vegetable in 40 mins.

Let us find how long will 20 vans take to carry 100

quintals of vegetable.



200. 150 kg of wheat is stored for 20 hostel boys for 30 days. But 30 kg of wheat was wasted and 5 boys went home. With the remaining amount of wheat for how long will the remaining boys be fed?



201. simplify the following : $(72 \div 8 \times 9) - (72 \div 8of9)$






208. form similar simplification sums with numbers 12, find their values. $(12+6) \div 3 - 1$



find their values. $(12+6) \div (3-1)$



210. form similar simplification sums with numbers 12,

find their values. 12 - 6(3 - 1)

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211. Find the value, (12-6)(3-1)

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