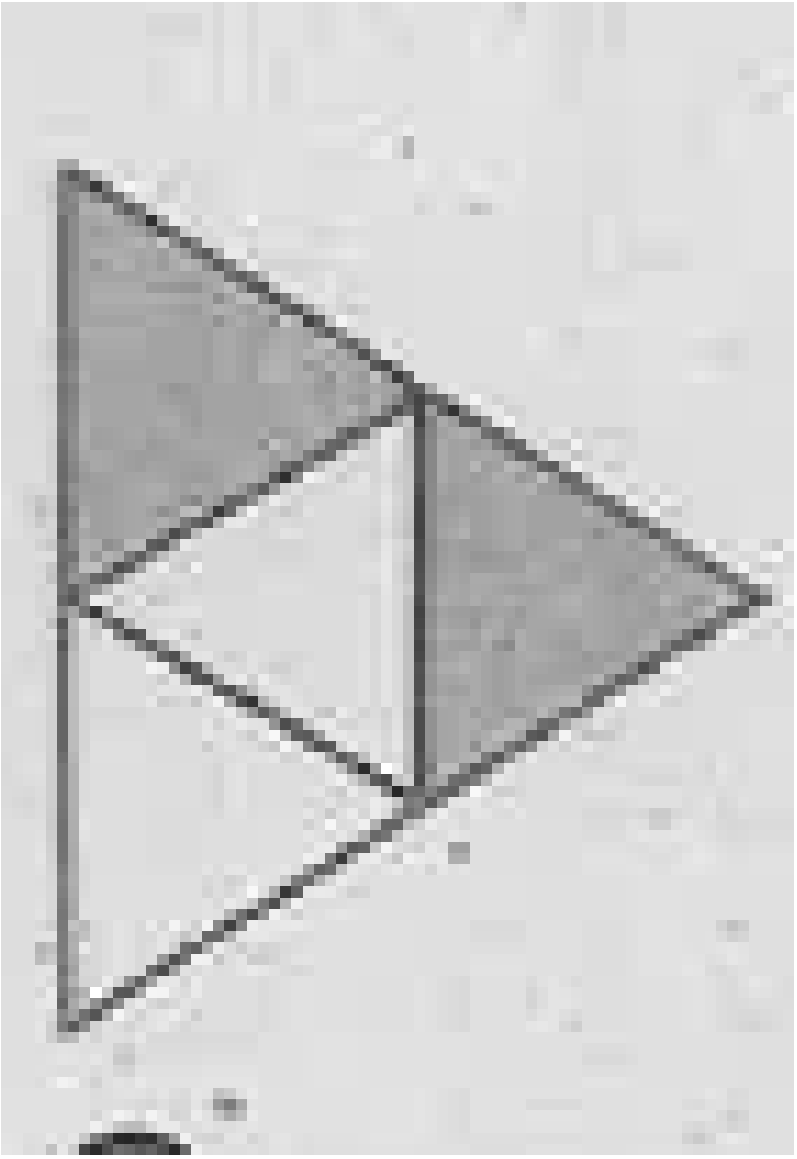
MATHS

BOOKS - SUBHASH PUBLICATION

FRACTIONS

Exercise

1. Write the fraction representing the shaded portion.(i)



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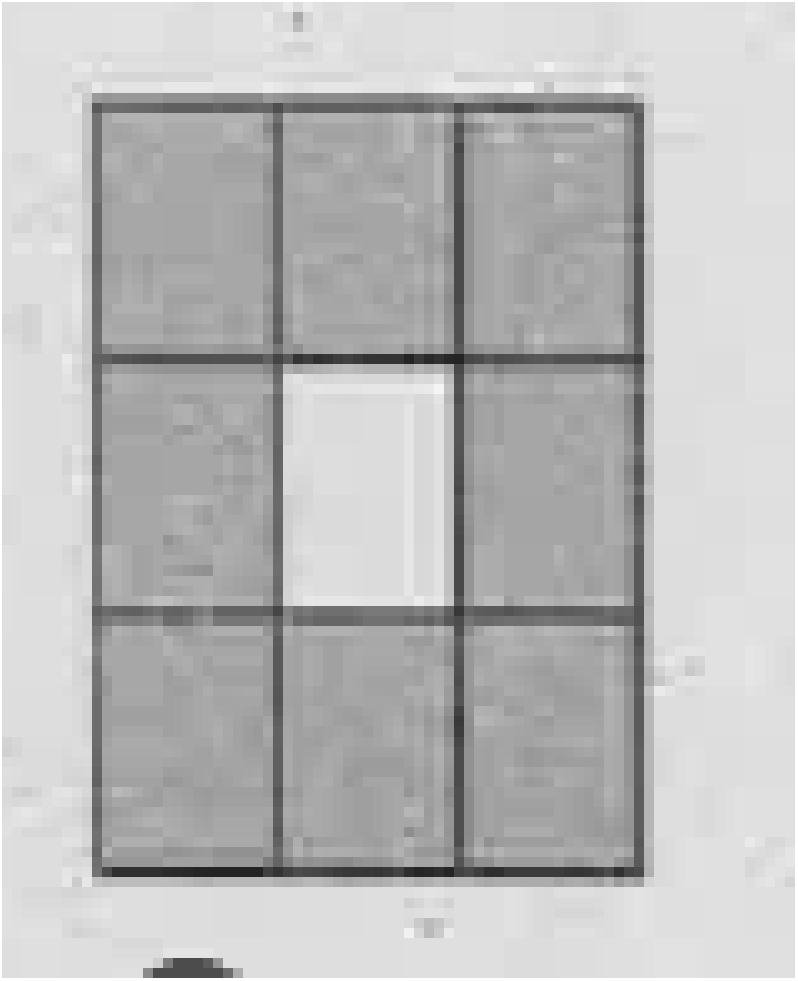
2. Write the fraction representing the shaded portion.(ii)



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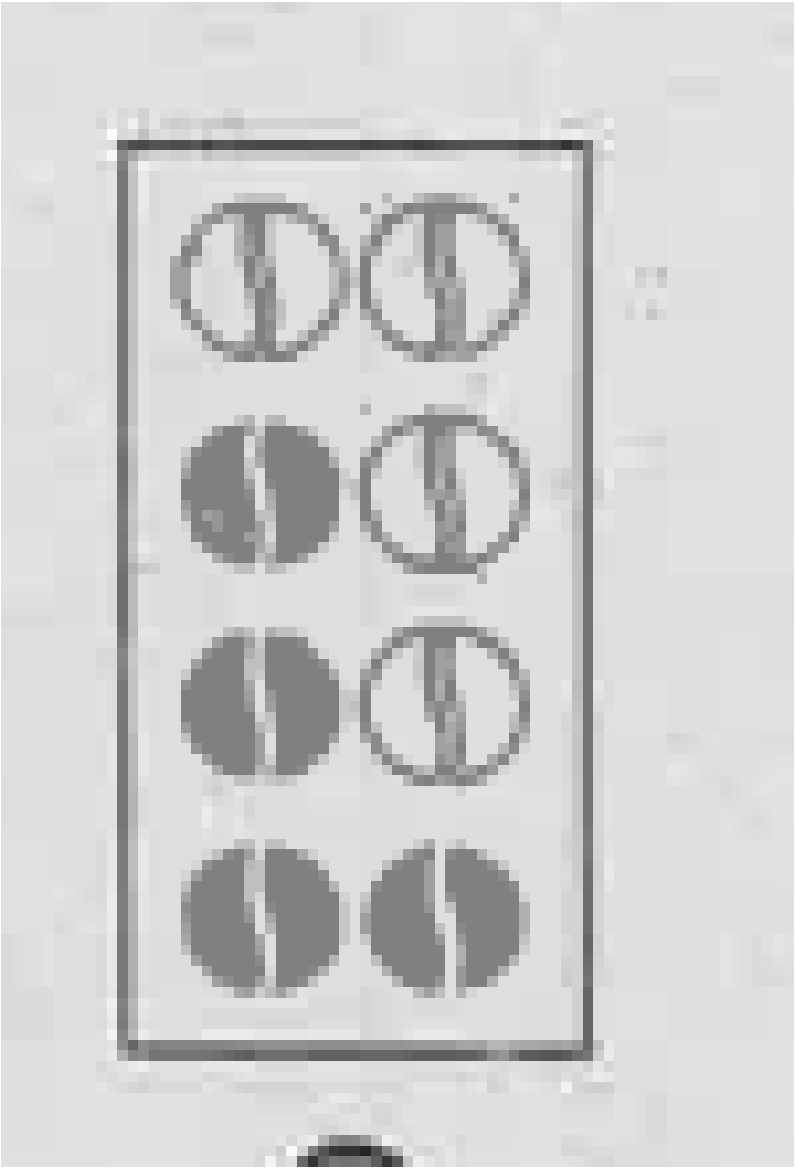
3. Write the fraction representing the shaded portion.(iii)



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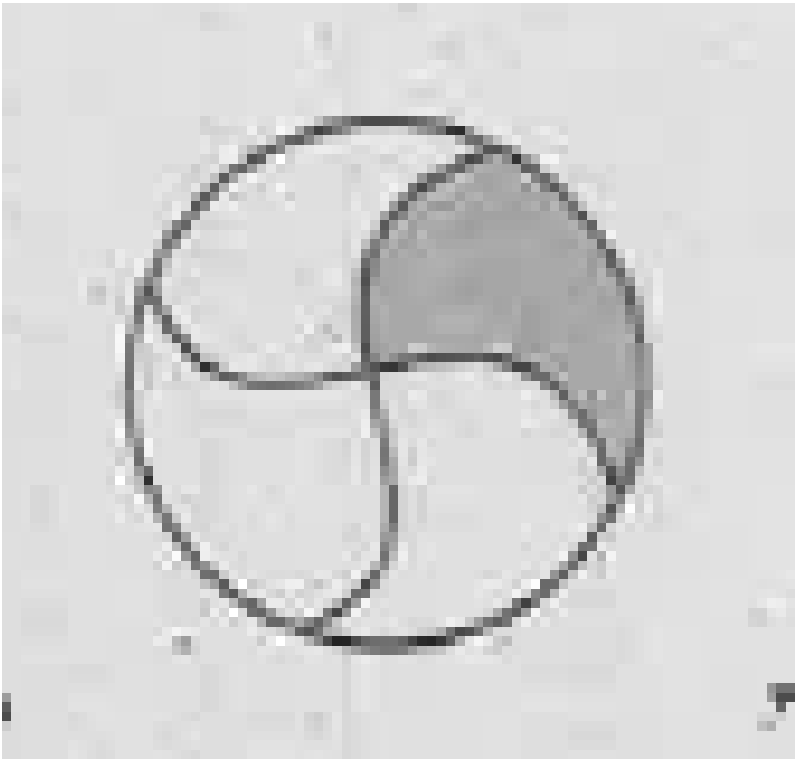
4. Write the fraction representing the shaded portion.(iv)



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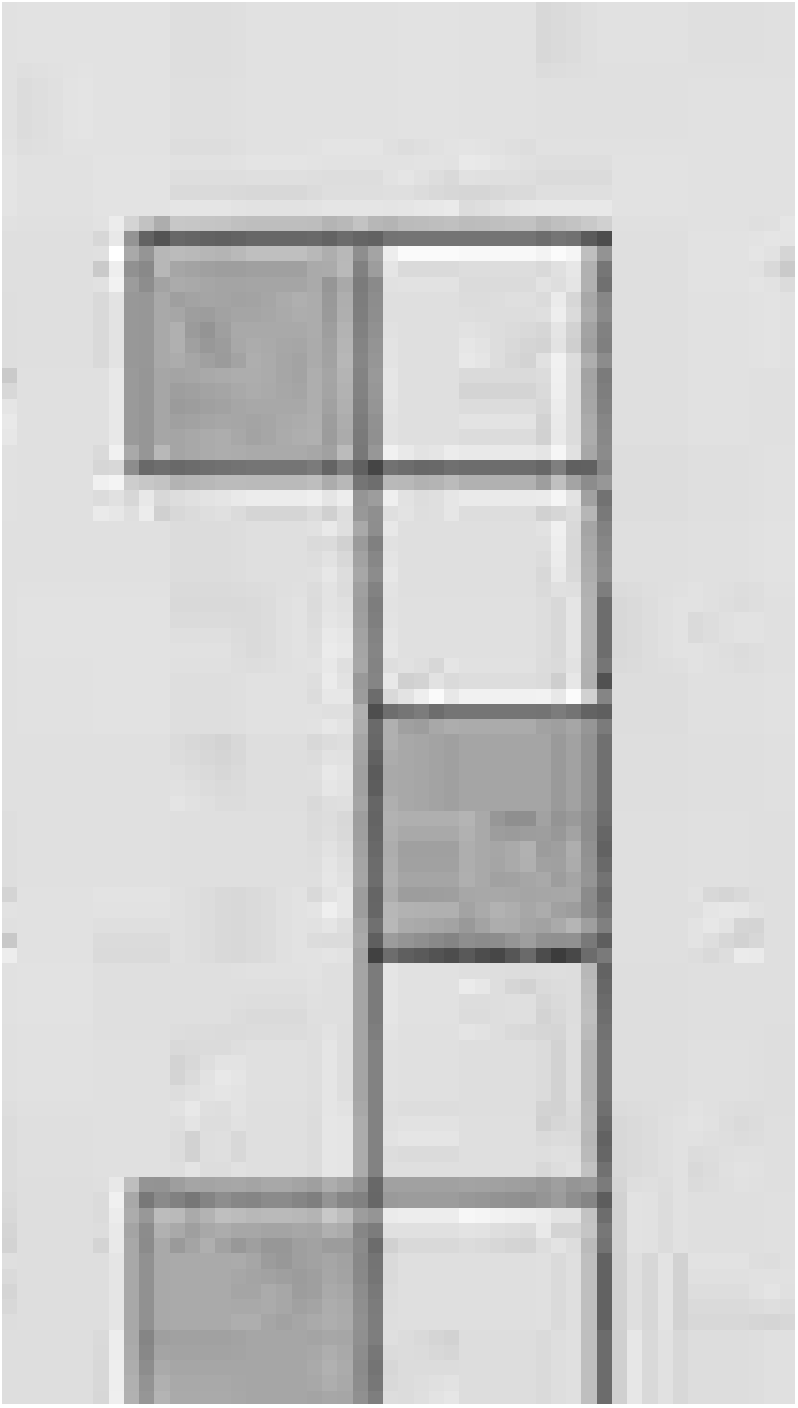
5. Write the fraction representing the shaded portion.



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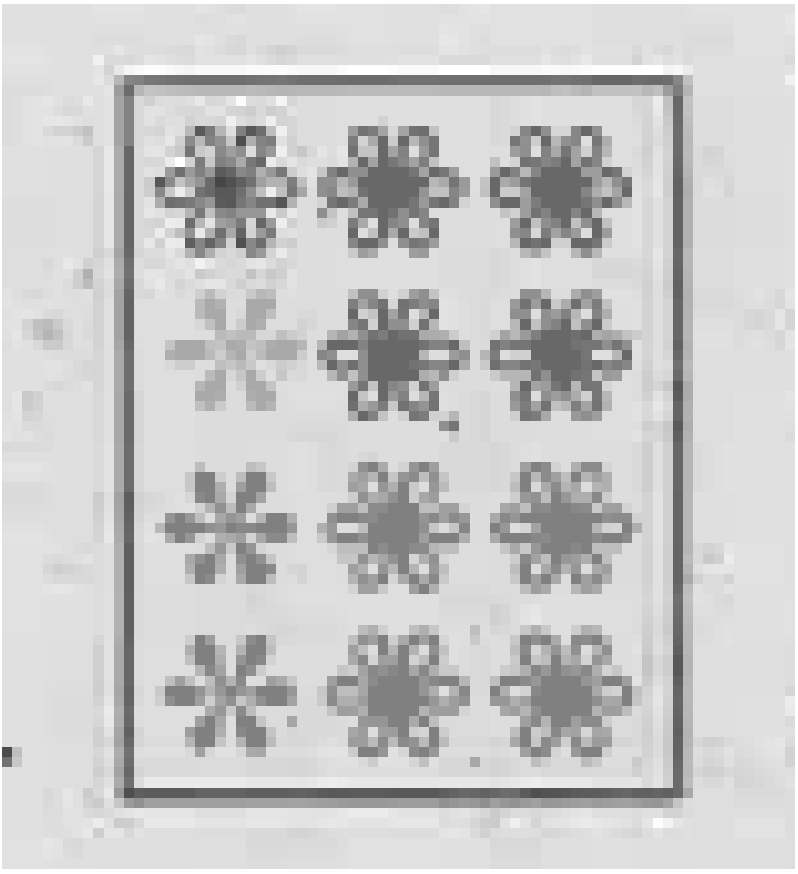
6. Write the fraction representing the shaded portion.(vi)



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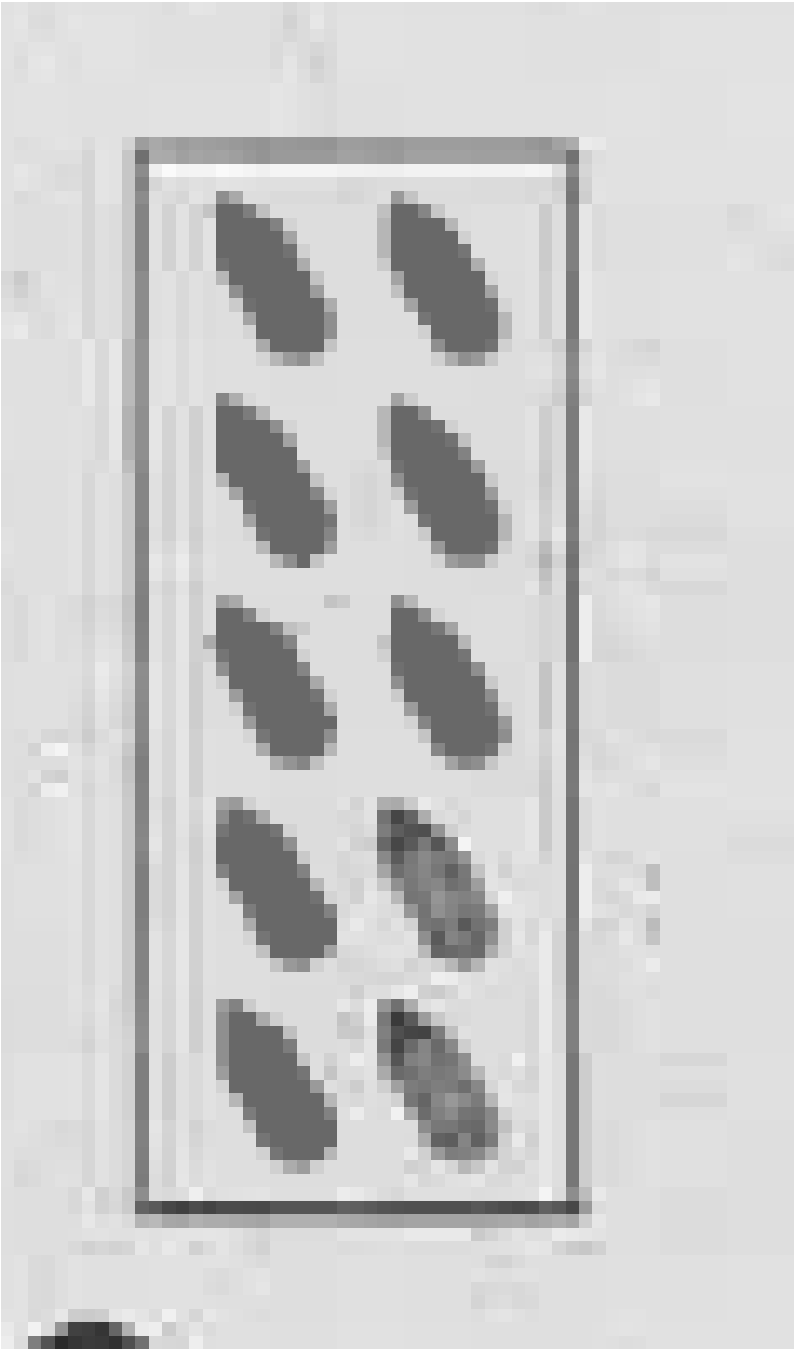
7. Write the fraction representing the shaded portion.(vii)



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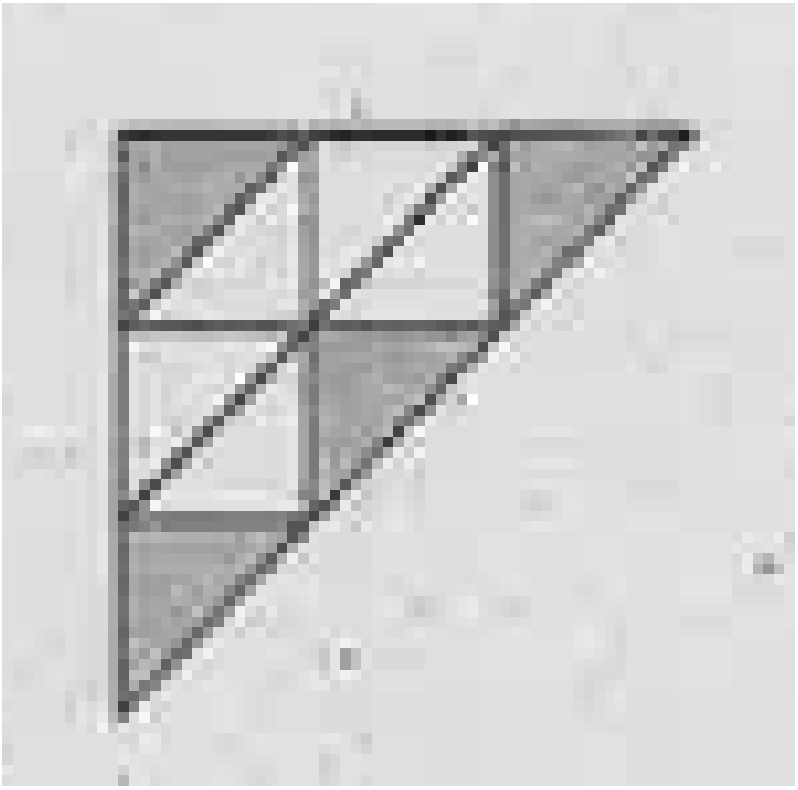
8. Write the fraction representing the shaded portion.

(viii)



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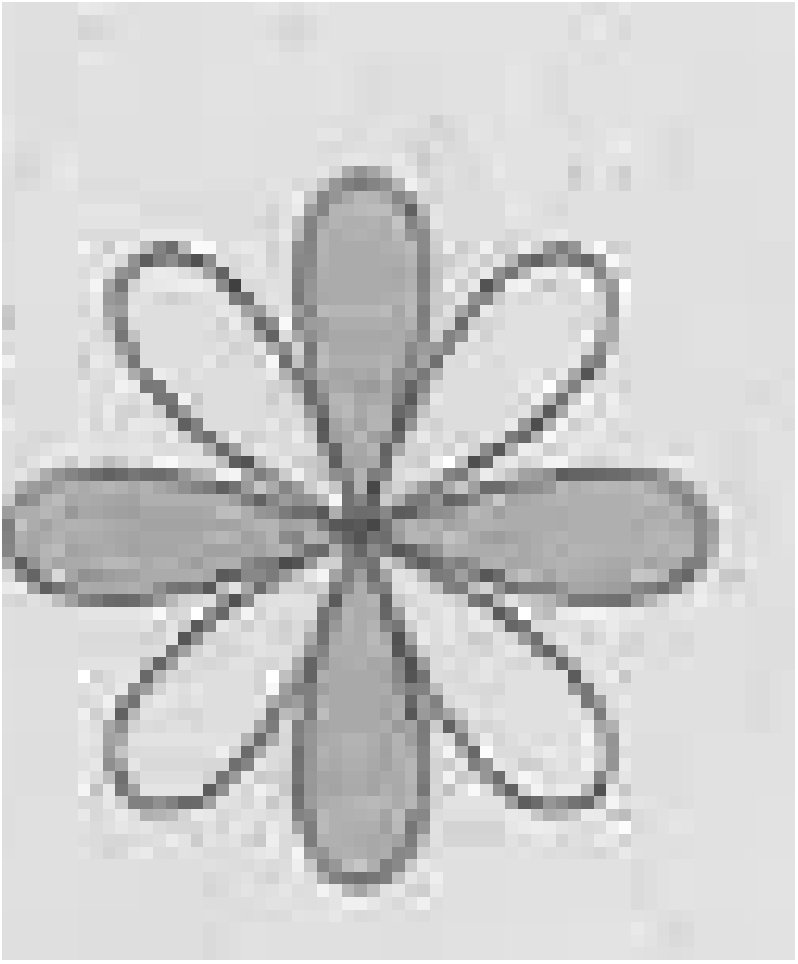
9. Write the fraction representing the shaded portion.(ix)



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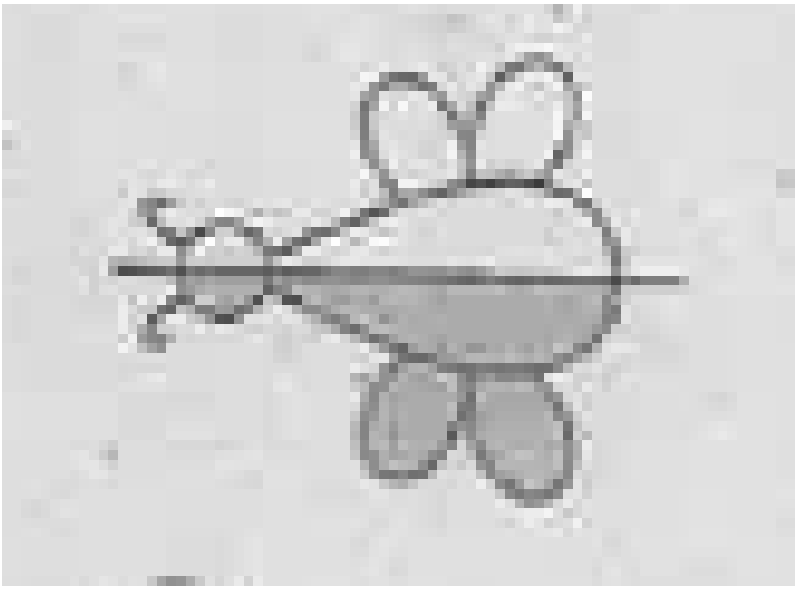
10. Write the fraction representing the shaded portion.(x)



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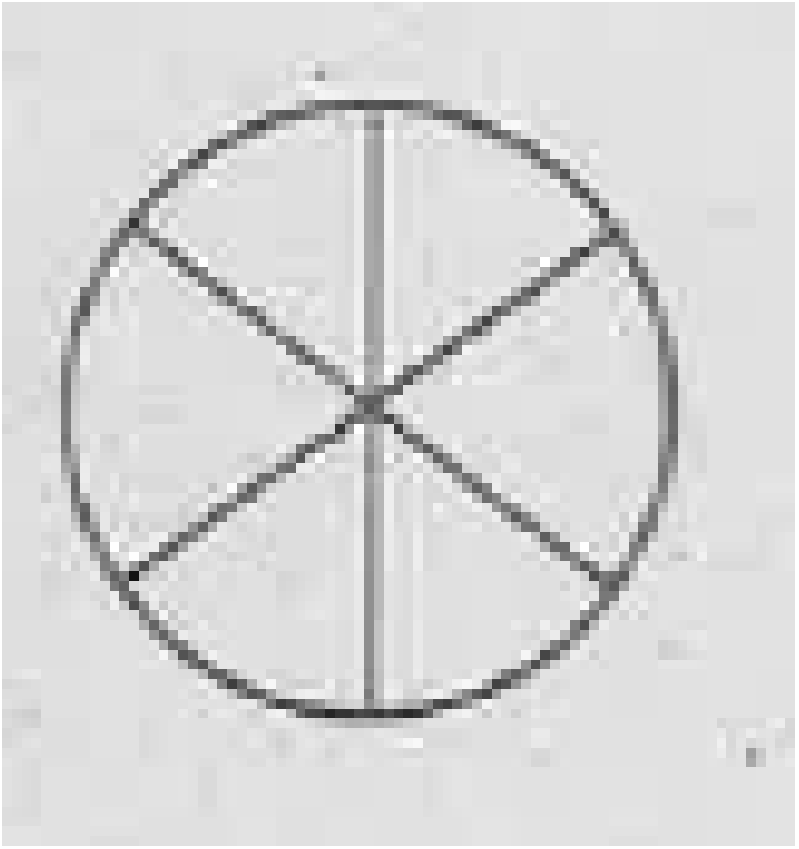
11. Colour the part according to the given fraction.(i)



$\frac{1}{6}$

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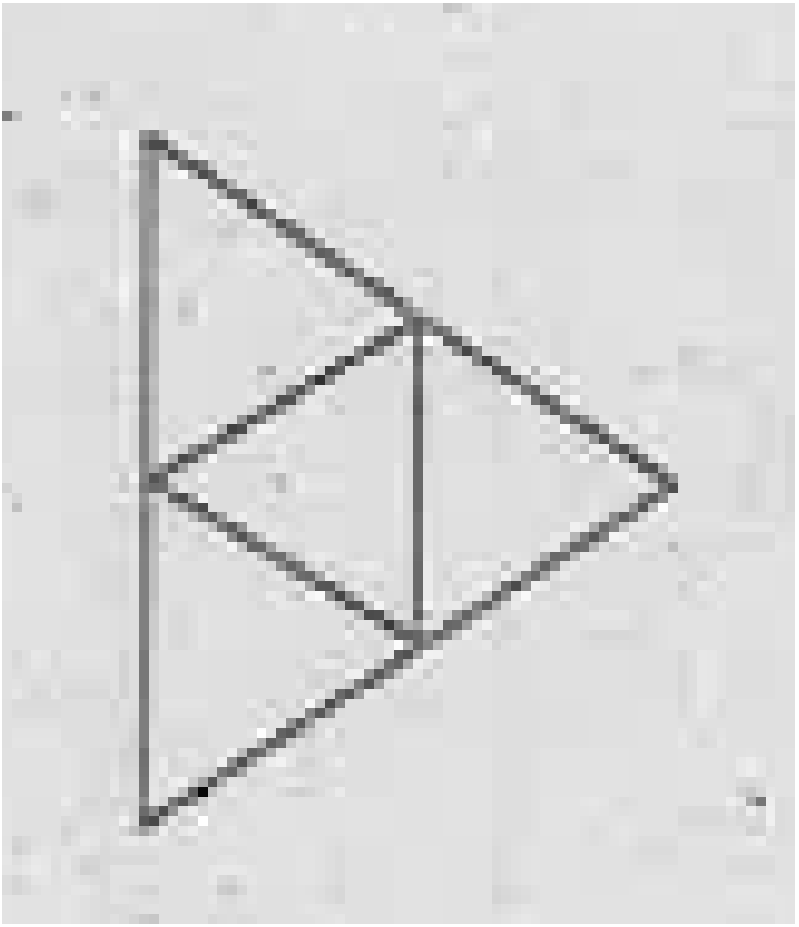
12. Colour the part according to the given fraction.(ii)



$\frac{1}{4}$

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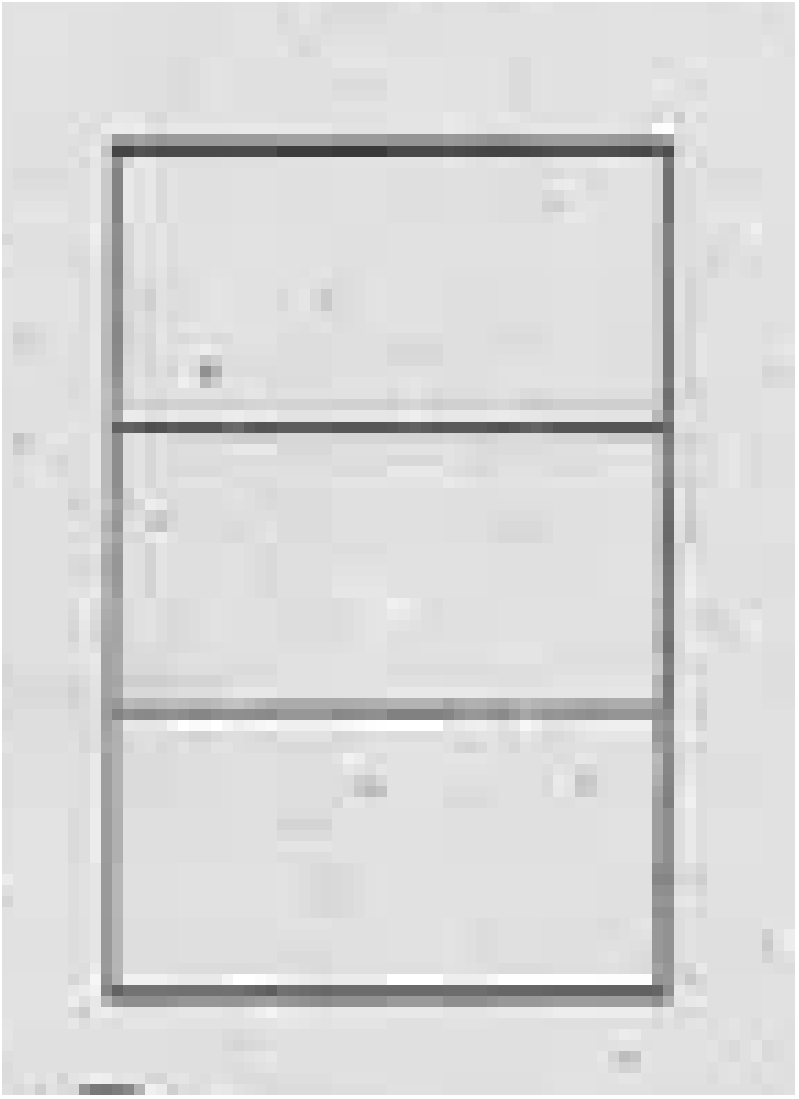
13. Colour the part according to the given fraction.(iii)



$\frac{1}{3}$

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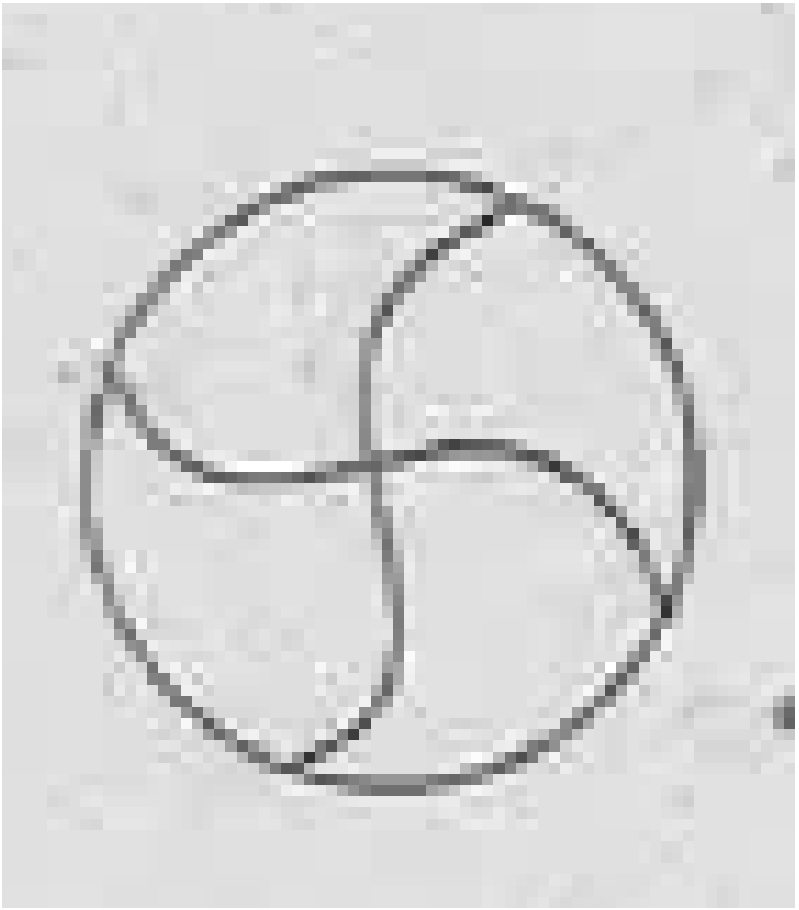
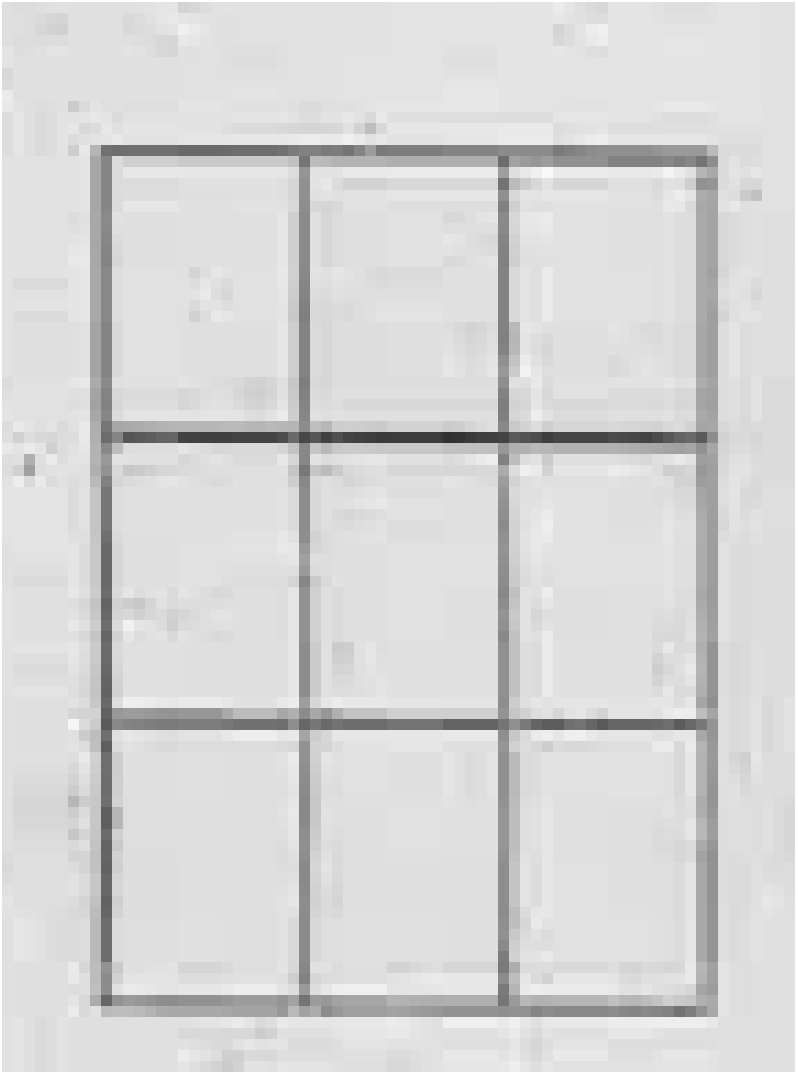
14. Colour the part according to the given fraction.(iv)



$\frac{1}{4}$

Watch Video Solution

15. Colour the part according to the given fraction.(v)



$\frac{2}{9}$

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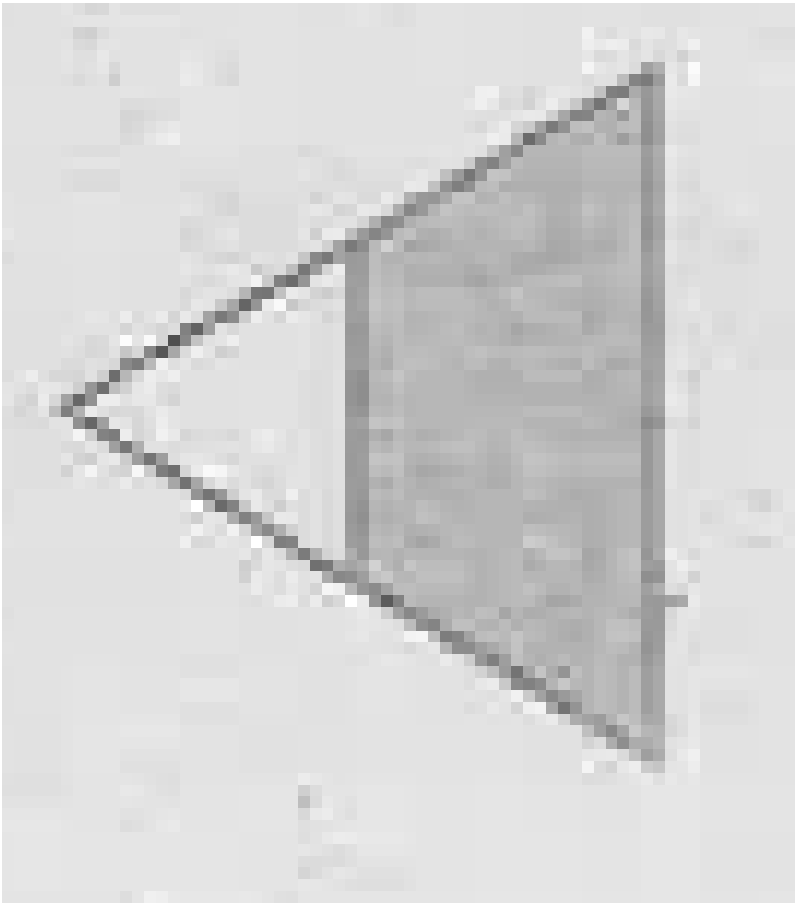
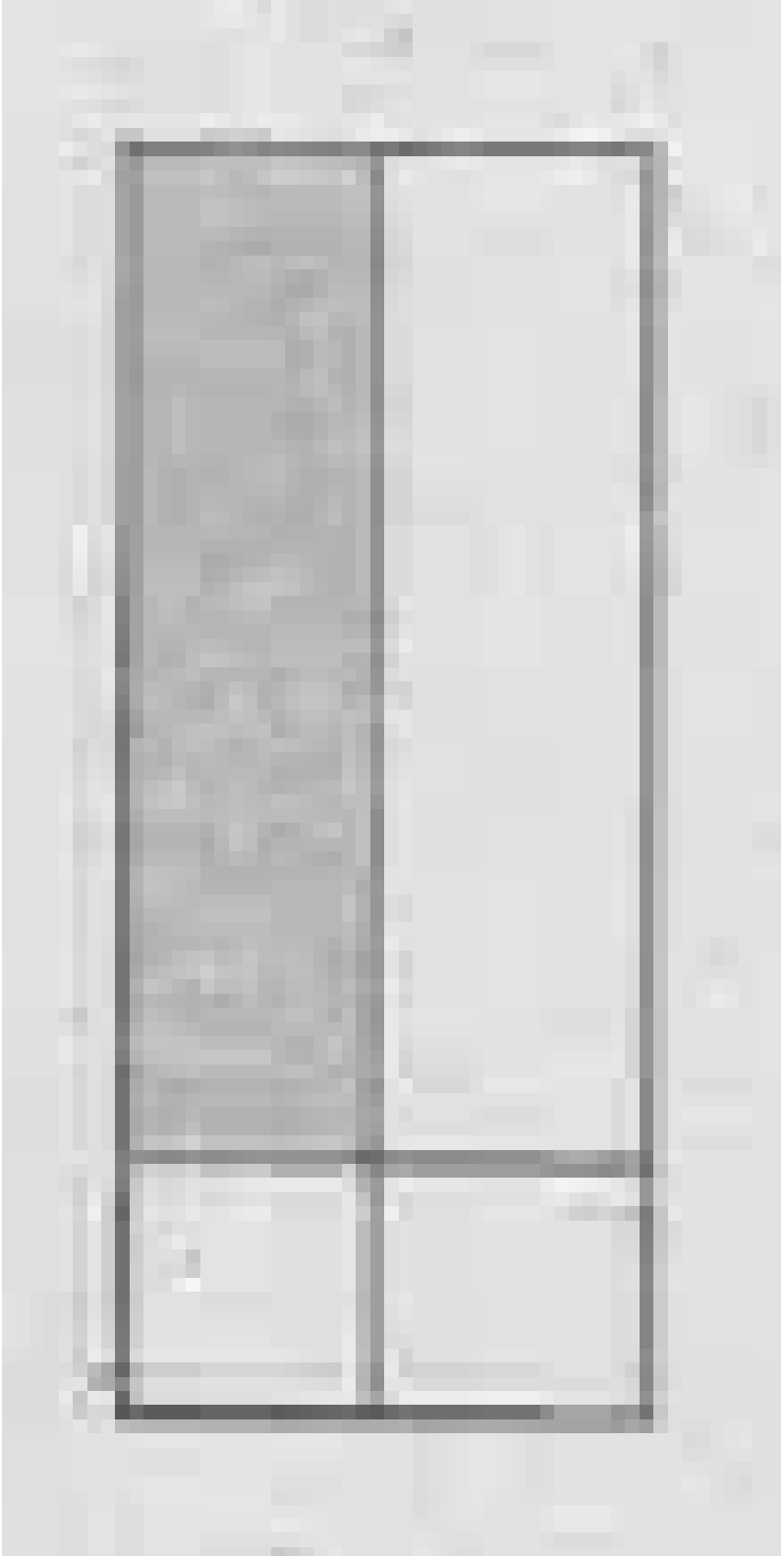
16. Identify the error, if any.



This is 1/2

Watch Video Solution

17. Identify the error, if any.



This is 1/4

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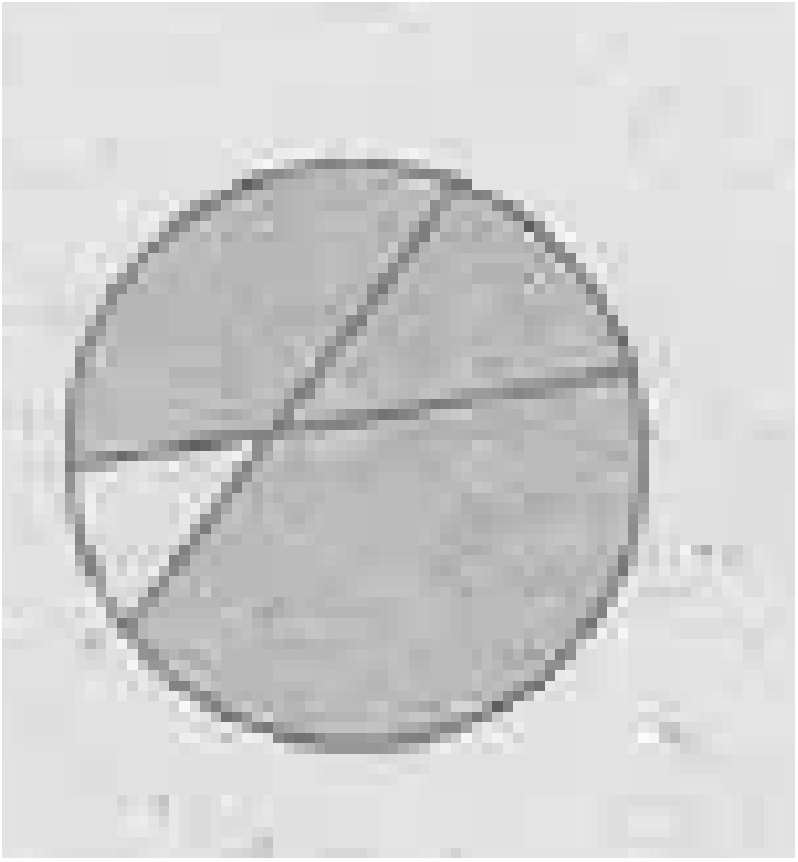
18. Identify the error, if any.



This is 3/4

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19. What fraction of a day is 8 hours?

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20. What fraction of an hour is 40 minutes?

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21. Arya, Abhimanyu, and Vivek shared lunch. Arya has brought two sandwiches, one made of vegetabel and one of jam. The other two boys forgot to bring their luch. Arrya agreed to share his sandwiches so that each person

will have an equal share of each sandwich. (a) How can Arya divide his sandwiches so that each person has an equal share?

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22. Arya, Abhimanyu, and Vivek shared lunch. Arya has brought two sandwiches, one made of vegetabel and one of jam. The other two boys forgot to bring their luch. Arrya agreed to share his sandwiches so that each person will have an equal share of each sandwich. (b) What part of a sandwich wil each boy receive?

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23. Kanchan dyes dresses. She had to dye 30 dresses. She has so far finished 20 dresses. What fraction of dresses has she finished?

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24. Write the natural number from 2 to 12. What fraction of them are prime numbers?

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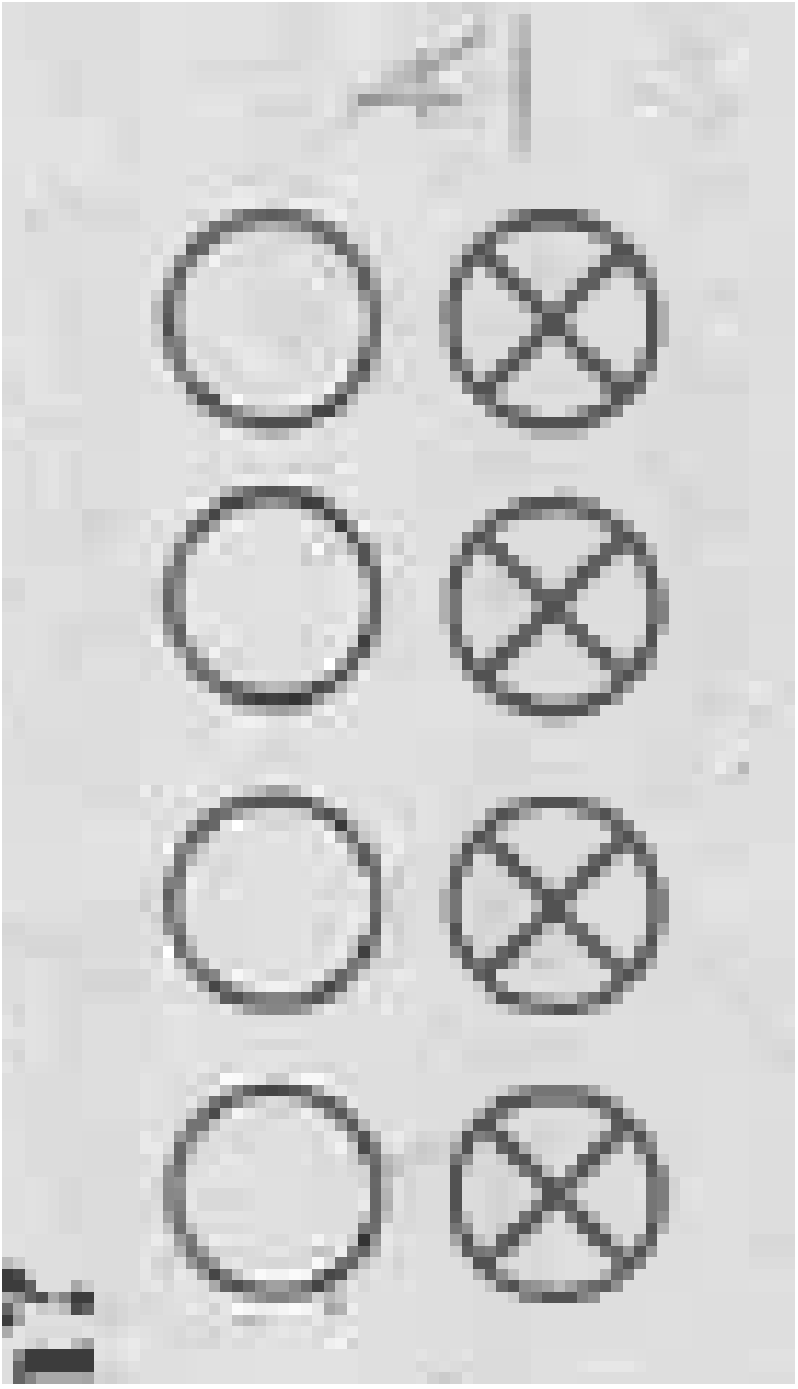
25. Write the natural numbers from 102 to 113. What fraction of them are prime numbers?

Watch Video Solution

26. What fraction of these circles have X's in them?



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27. Kristin received a CD player for birthday. She bought 3 CDs and received 5 others as gifts. What fraction of her total CDs did she buy and what fraction did she receive as gifts?

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28. Draw number lines and locate the points on them (a) 1/2, 1/4,3/4,4/4

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29. Draw number lines and locate the points on them (b)

1/8, 2/8, 3/8, 7/8

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30. Draw number lines and locate the points on them (c)

2/5, 3/5, 8/5, 4/5

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31. Express the following as mixed fractions : (a) 20/3

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32. Express the following as mixed fractions : (b) 11/5

Watch Video Solution

33. Express the following as mixed fractions : (c) 17/7

Watch Video Solution

34. Express the following as mixed fractions : (d) 28/5

Watch Video Solution

35. Express the following as mixed fractions : (e) 19/6

Watch Video Solution

36. Express the following as mixed fractions : (f) 35/9

Watch Video Solution

37. Express the following as imporper fractions : (a) 7 3/4

Watch Video Solution

38. Express the following as imporper fractions : (b) 5 6/7

Watch Video Solution

39. Express the following as imporper fractions : (c) $2\frac{5}{6}$

Watch Video Solution

40. Express the following as imporper fractions : (d) $10\frac{3}{5}$

Watch Video Solution

41. Express the following as imporper fractions : (e) $9\frac{3}{7}$

Watch Video Solution

42. Express the following as imporper fractions : (f) 8 4/9

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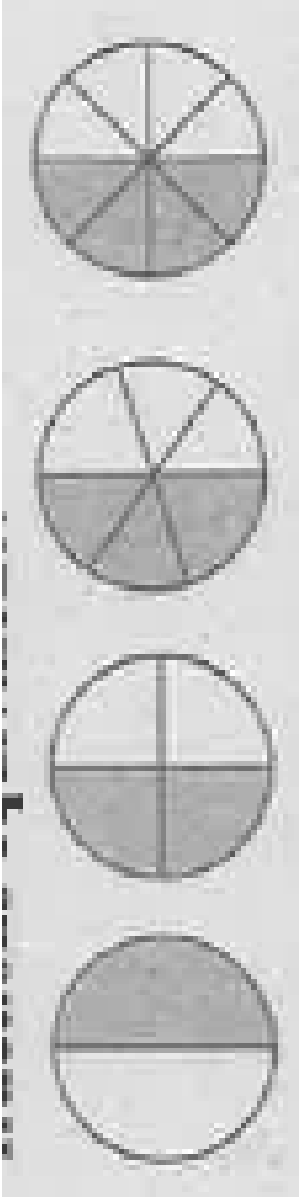
43. Write the fractions. Are all these fractions equivalent?

(a)



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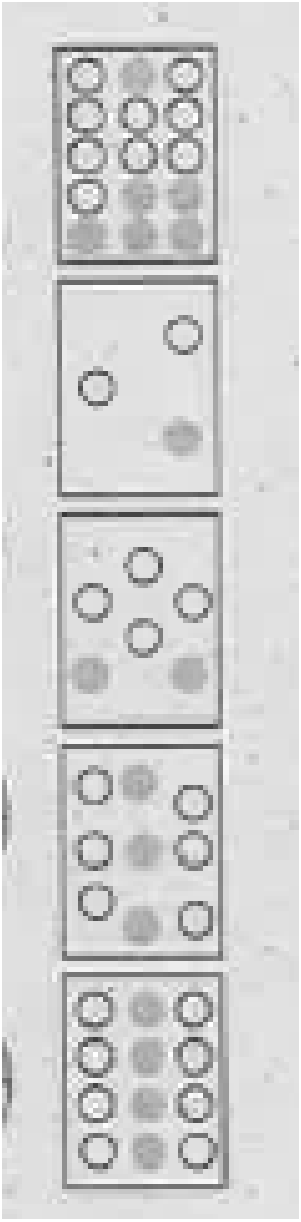
44. Write the fractions. Are all these fractions equivalent?

(b)



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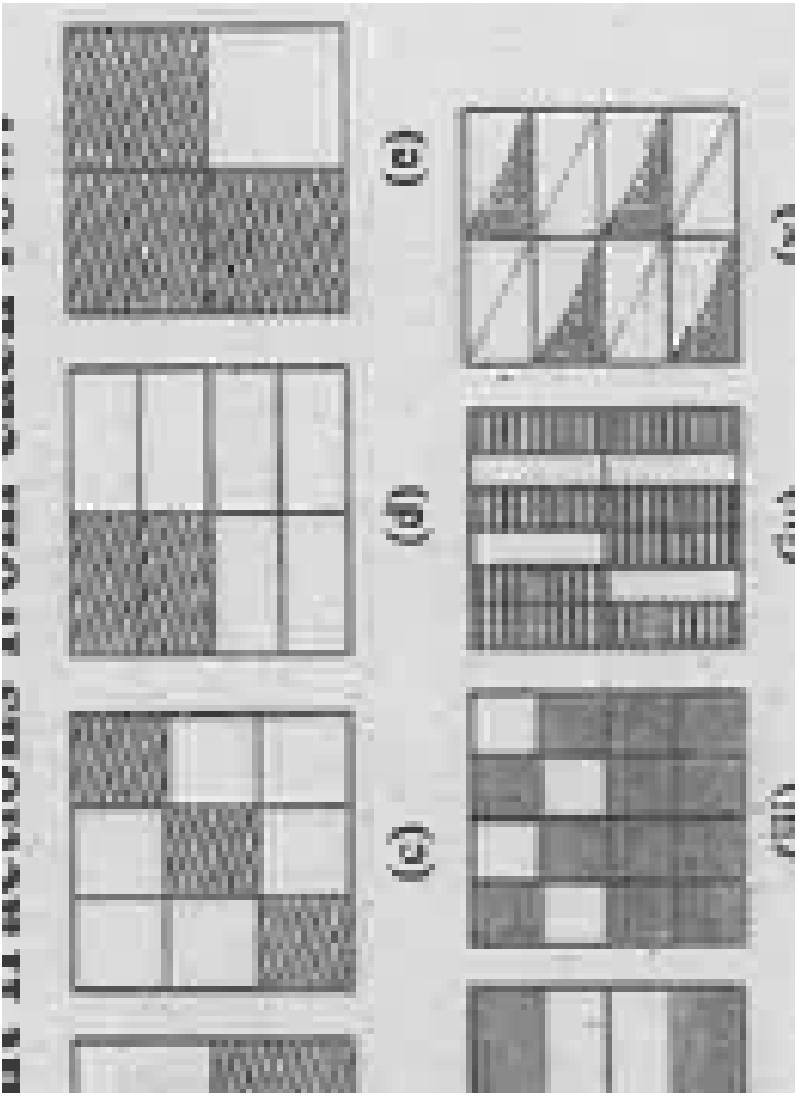
45. Write the fractions and pair up the equivalent fractions from each row. (a)



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46. Write the fractions and pair up the equivalent fractions from each row. (b)

q2-write-the-fractions-and-pai | LIDO

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47. Write the fractions and pair up the equivalent fractions from each row. (c)

 q2-write-the-fractions-and-pai | LIDO

A.  q2-write-the-fractions-and-pai | LIDO

B.

C.

D.

Answer:

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48. Write the fractions and pair up the equivalent fractions from each row. (d)


q2-write-the-fractions-and-pai | LIDO

A. 
q2-write-the-fractions-and-pai | LIDO

B.

C.

D.

Answer:

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49. Write the fractions and pair up the equivalent fractions from each row. (e)


q2-write-the-fractions-and-pai | LIDO

A.  q2-write-the-fractions-and-pai | LIDO

B.

C.

D.

Answer:

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50. Replace ? Ub each of the following by the correct number : (a) 2/7 = 8/?

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51. Replace ? Ub each of the following by the correct number : (b) 5/8 = 10/?

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52. Replace ? Ub each of the following by the correct number : (c) 3/5 = ?/20

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53. Replace ? Ub each of the following by the correct number : (d) 45/60 = 15/?

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54. Replace ? Ub each of the following by the correct number : (e) 18/24 = ?/4

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55. Find the equivalent fraction 3/5 having (a) denominator 20

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56. Find the equivalent fraction 3/5 having (b) numerator 9

Watch Video Solution

57. Find the equivalent fraction 3/5 having (c) denominator 30

Watch Video Solution

58. Find the equivalent fraction 3/5 having (d) numerator 27

Watch Video Solution

59. Find the equivalent fraction of 36/48 with (a) numberator 9

Watch Video Solution

60. Find the equivalent fraction of 36/48 with (b) denominator 4

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61. Check whether the given fractions are equivalent : (a) 5/9, 30/54

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62. Check whether the given fractions are equivalent : (b) 3/10, 12/50

Watch Video Solution

63. Check whether the given fractions are equivalent : (c) 7/13, 5/11

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64. Reduce the following fractions to simplest form : (a) 48/60

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65. Reduce the following fractions to simplest from : (b) 150/60

Watch Video Solution

66. Reduce the following fractions to simplest from : (c) 84/98

Watch Video Solution

67. Reduce the following fractions to simplest from : (d) 12/52

Watch Video Solution

68. Reduce the following fractions to simplest from : (e) 7/28

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69. Ramesh had 20 pencils, Sheelu had 50 pencils and Jamaal had 80 pencils. After 4 months, Ramesh used up 10 pencils, Sheelu used up 25 pencils and Jamaal used up 40 pencils. What fraction did each use up? Check if each has used up an equal fraction of her/his pencils?

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70. Match the equivalent fractins and write two more for each. (i) 250/400 (a) 2/3 (b) 2/5 (c) 1/2 (d) 5/8 (e) 9/10

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71. Match the equivalent fractins and write two more for each. (ii) 180/200 (a) 2/3 (b) 2/5 (c) 1/2 (d) 5/8 (e) 9/10

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72. Match the equivalent fractins and write two more for each. (iii) 660/990 (a) 2/3 (b) 2/5 (c) 1/2 (d) 5/8 (e) 9/10

Watch Video Solution

73. Match the equivalent fractins and write two more for each. (iv) 180/360 (a) 2/3 (b) 2/5 (c) 1/2 (d) 5/8 (e) 9/10

Watch Video Solution

74. Match the equivalent fractins and write two more for each. (v) 220/550 (a) 2/3 (b) 2/5 (c) 1/2 (d) 5/8 (e) 9/10

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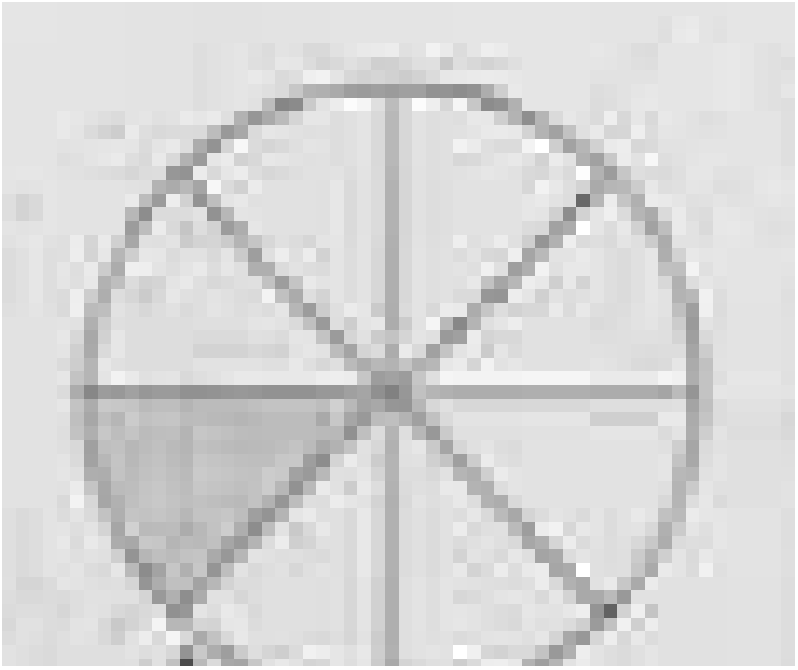
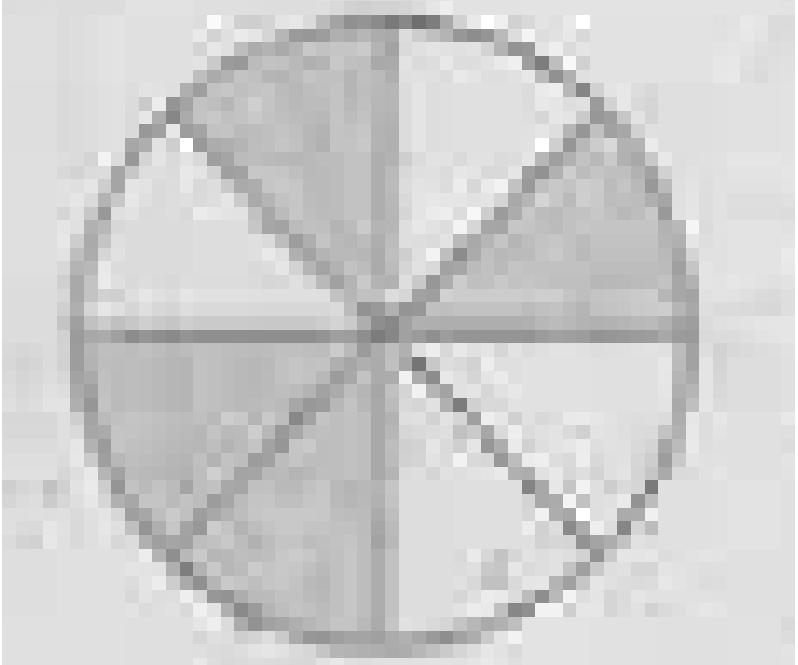
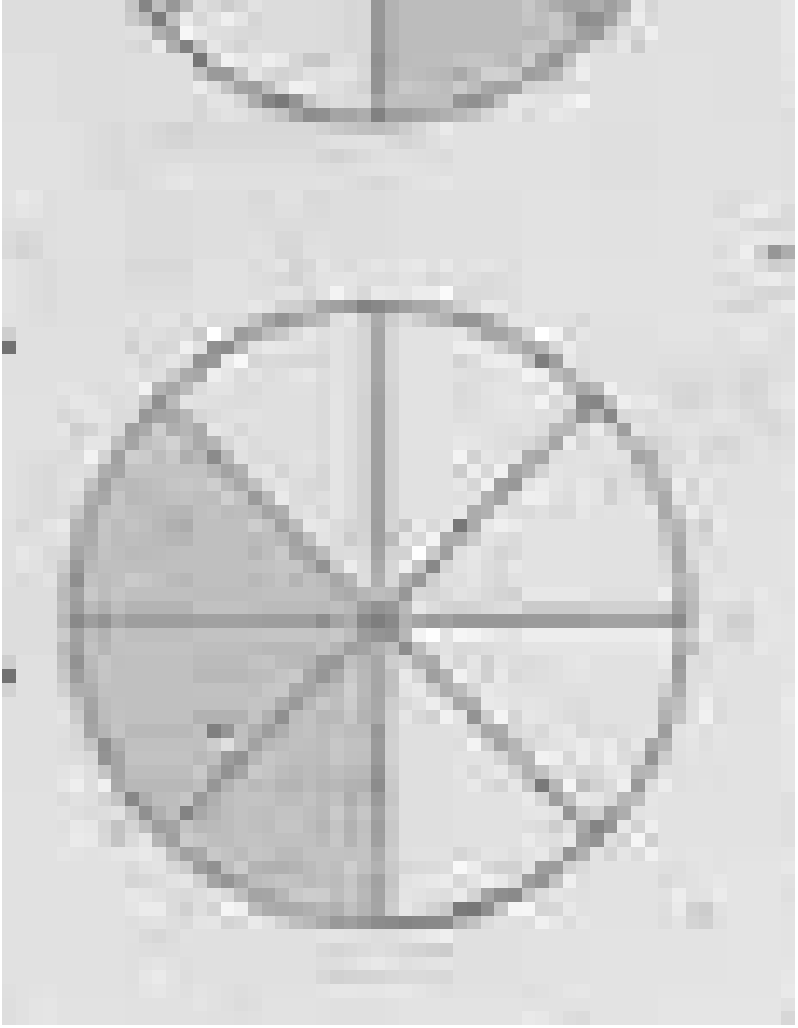
75. Write shaded portion as fraction. Arrange them in ascending and descending order using correct sign '<' ,'=', '>' between the fractions : (a)







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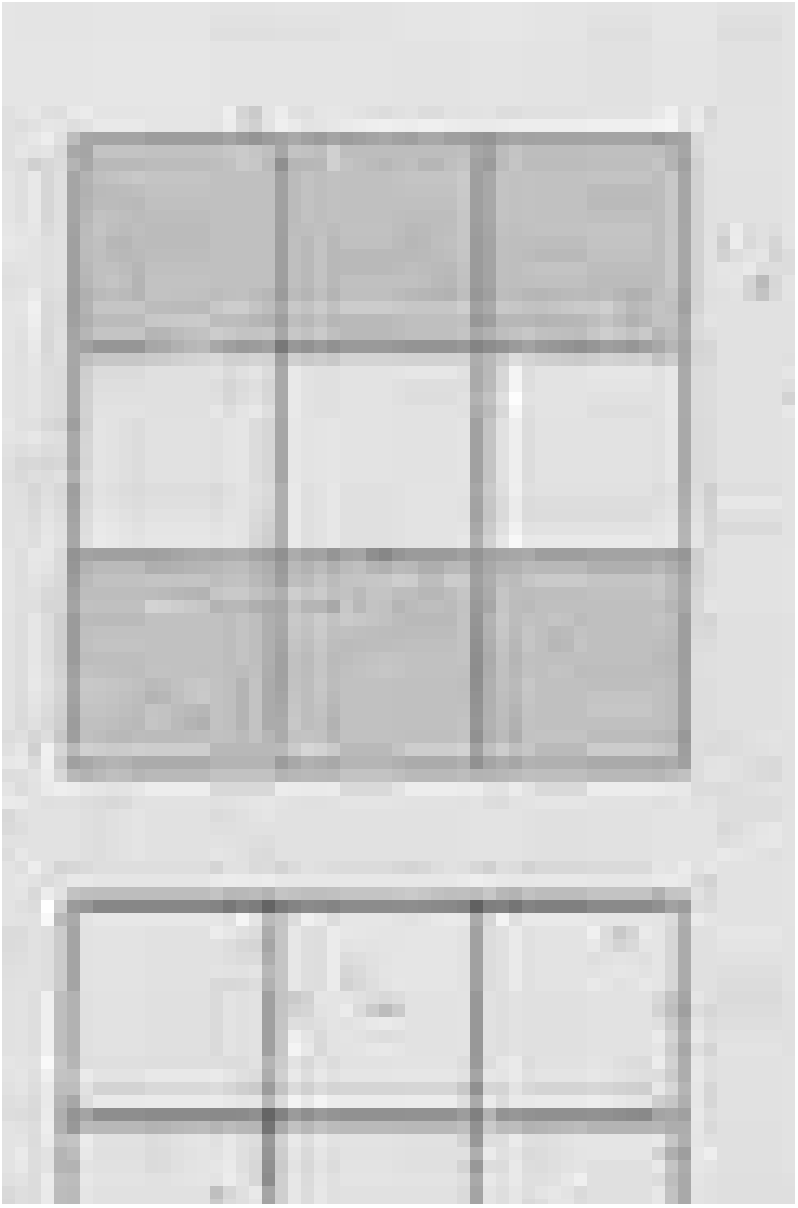
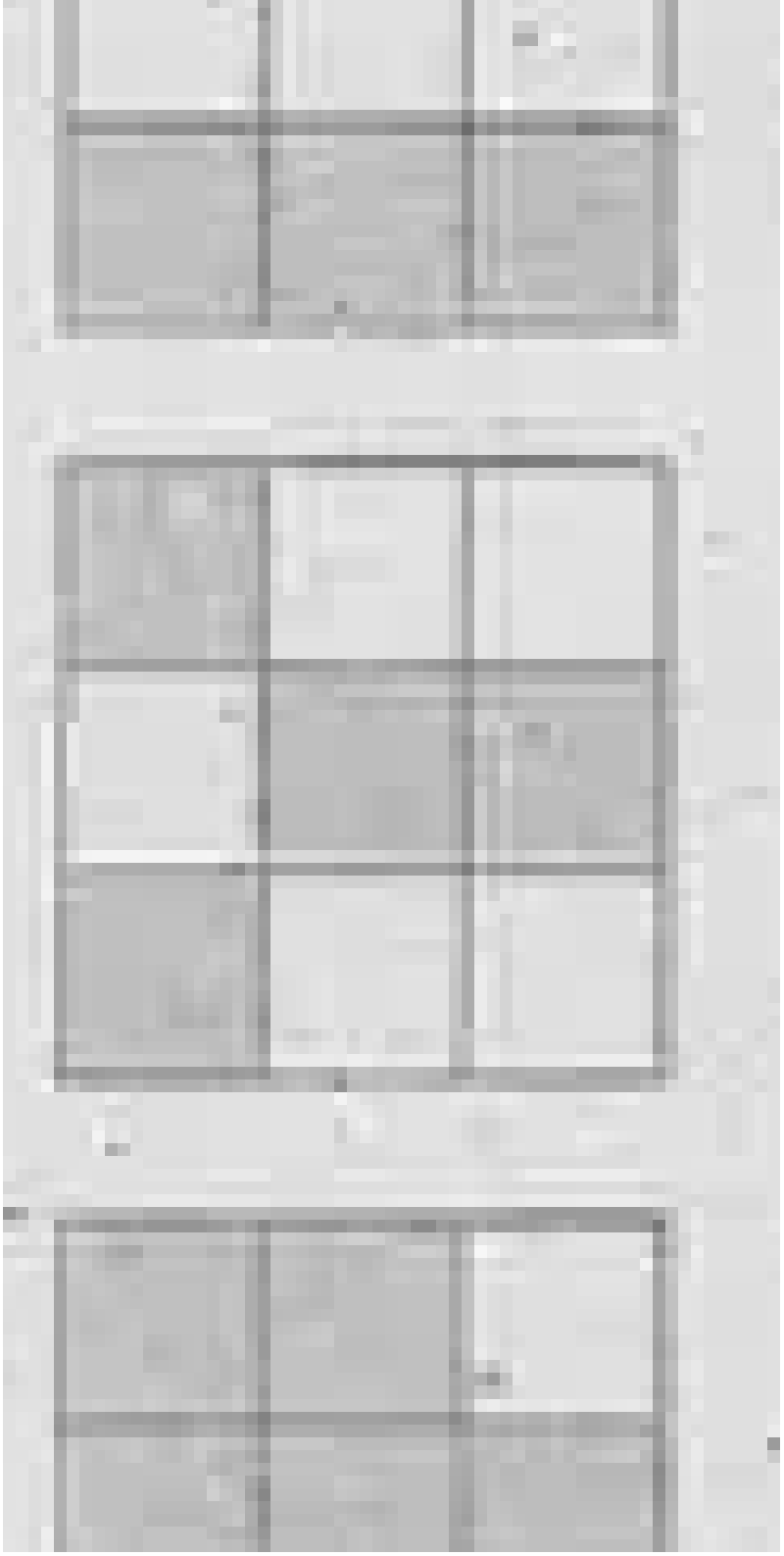
76. Write shaded portion as fraction. Arrange them in ascending and descending order using correct sign '<' ,'=', '>' between the fractions : (b)





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77. Compare the fractions and put an appropriate sign.

(a) 3/6 ? 5/6

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78. Compare the fractions and put an appropriate sign.

(b) 1/7 ? 1/4

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79. Compare the fractions and put an appropriate sign. (c) 4/5 ? 5/5

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80. Compare the fractions and put an appropriate sign. (d) 3/5 ? 3/7

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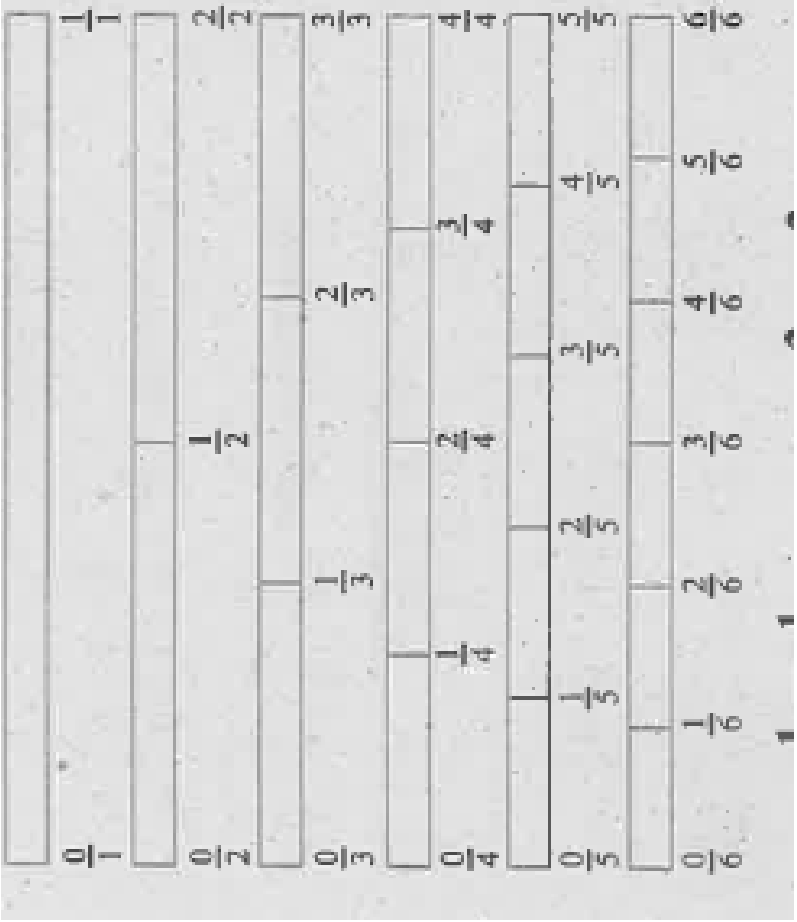
81. Look at the figures and wirte '<' or '>' , '=' between the given pairs of fractions.



(a) 1/6 ? 1/3 make five more such problems and solve them with your friends.

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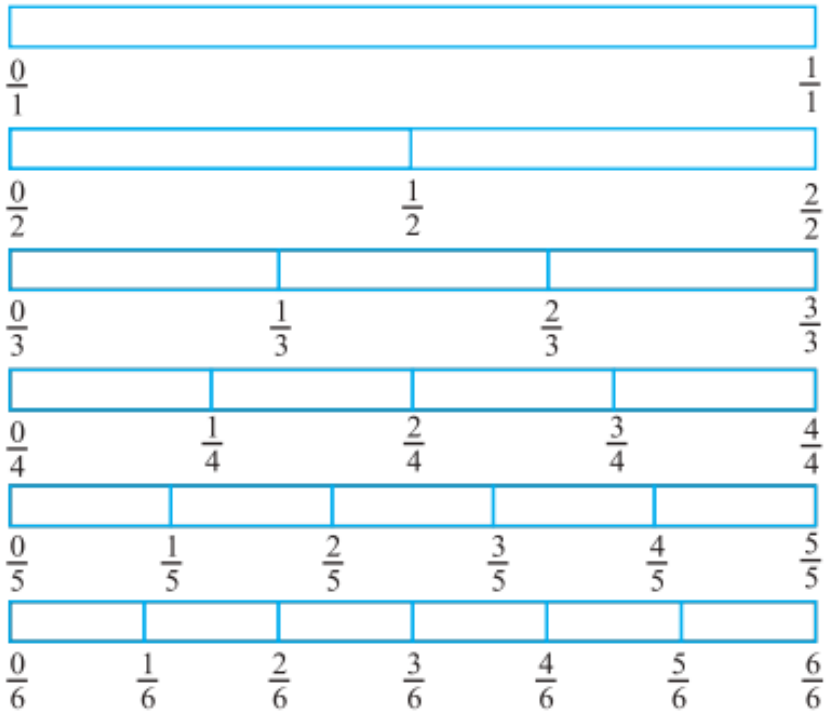
82. Look at the figures and wirte '<' or '>' , '=' between the given pairs of fractions.

(b) 3/4 _____ 2/6 make five more such problems and solve them with your friends.

q4-look-at-the-figures-and-wri | LIDO

A.



B.

C.

D.

Answer:

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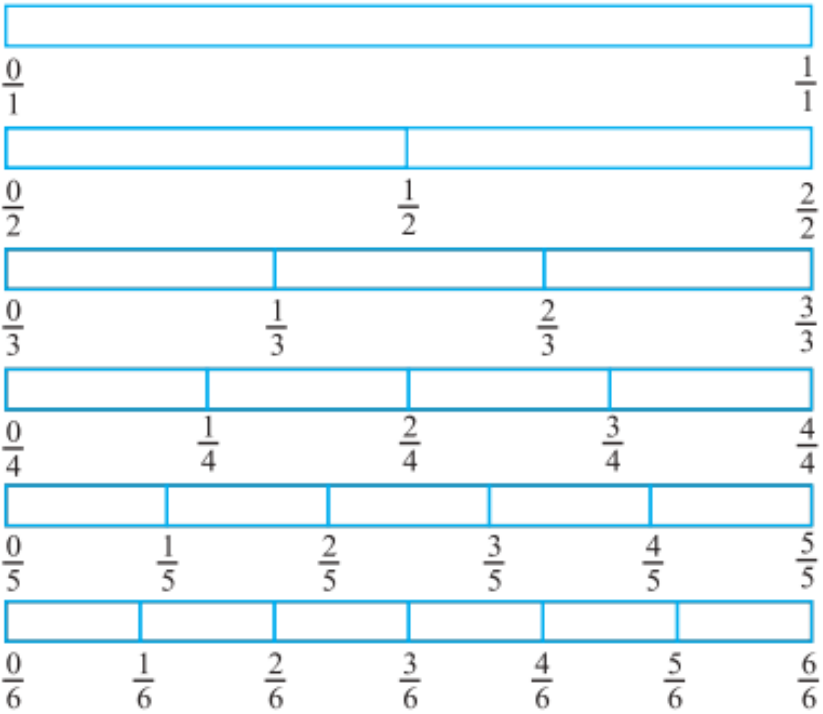
83. Look at the figures and wirte '<' or '>' , '=' between the given pairs of fractions.

(c) 2/3 _____ 2/4 make five more such problems and solve them with your friends.

 q4-look-at-the-figures-and-wri | LIDO

A.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5/6
6/6

B.

C.

D.

Answer:

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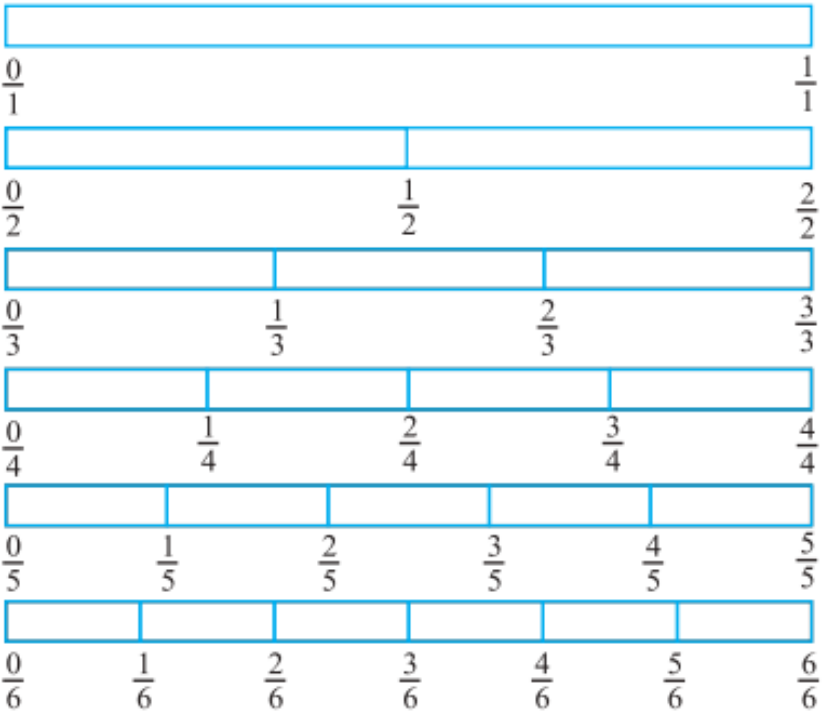
84. Look at the figures and wirte '<' or '>' , '=' between the given pairs of fractions.

(d) 6/6 _____ 3/3 make five more such problems and solve them with your friends.

 q4-look-at-the-figures-and-wri | LIDO

A.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5/6
6/6

B.

C.

D.

Answer:

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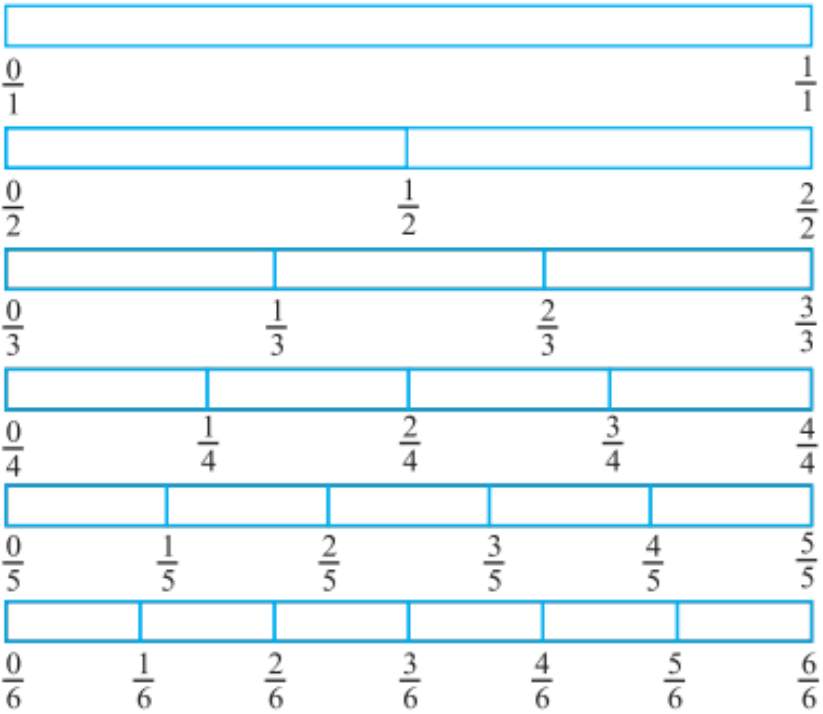
85. Look at the figures and wirte '<' or '>' , '=' between the given pairs of fractions.

(e) 5/6 _____5/5 make five more such problems and solve them with your friends.


q4-look-at-the-figures-and-wri | LIDO

A.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5/6
6/6

B.

C.

D.

Answer:

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86. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (a) 1/2 ? 1/5.

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87. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (b) 2/4 ? 3/6.

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88. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (c) 3/5 ? 2/3.

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89. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (d) 3/4 ? 2/8.

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90. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (e) 3/5 ? 6/5.

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91. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (f) 7/9 ? 3/9.

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92. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (g) 7/9 ? 3/9.

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93. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (h) 1/4 ? 2/8

Watch Video Solution

94. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (i) 3/4 ? 7/8.

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95. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (j) 6/10 ? 4/5.

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96. How quickly can you do this ? Fill appropriate sign. ('<', '=', '>') (k) 5/7 ? 15/21.

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97. change the following fraction to each one to its simplest form. (a) 2/12

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98. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (b) 3/15

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99. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (c) 8/50

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100. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (d) 16/100

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101. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (e) 10/60

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102. change the following fraction to each one to its simplest form. (f) 15/75

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103. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (g) 12/60

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104. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent

fractions, by changing each one to its simplest form. (h) `16/96

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105. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (i) 12/75

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106. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent

fractions, by changing each one to its simplest form. (j) 12/72

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107. change the following fraction to each one to its simplest form. (k) 3/18

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108. The following fractins represent just three different nuimbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form. (l) 4/25

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109. Find answers to the following. Write and indicate how you solved them. (a) Is 5/9 equal to 4/5 ?

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110. Find answers to the following. Write and indicate how you solved them. (b) Is 9/16 equal to 5/9 ?

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111. Find answers to the following. Write and indicate how you solved them. (c) Is 4/5 equal to 16/20 ?

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112. Find answers to the following. Write and indicate how you solved them. (d) Is 1/15 equal to 4/30 ?

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113. Ila reas 25 pages of a book containing 100 pages. Lalita read 2/5 of the same book. Who reas less?

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114. Rafiq exercised for 3/6 of an hour, while Rohit exercised for 3/4 of an hour. Who exercised for a longer

time?

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115. In a class A of 25 students, 20 passed with 60% or more marks, in another class B of 30 students, 24 passed with 60% or more marks. In which class was a greater fraction of students getting with 60% or more marks?

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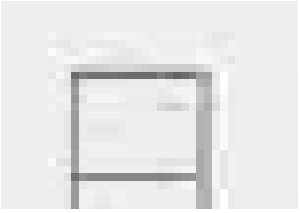
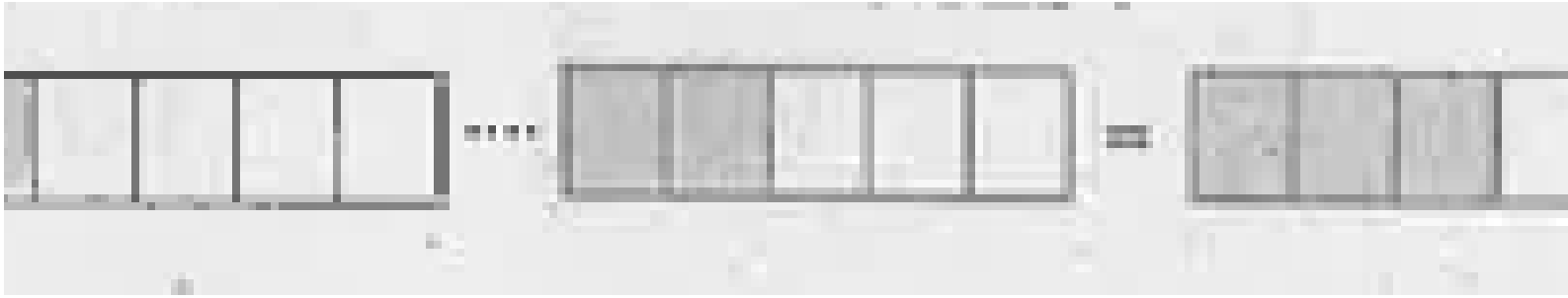
116. Write these fractions appropriately as additions or subtraction : (a)





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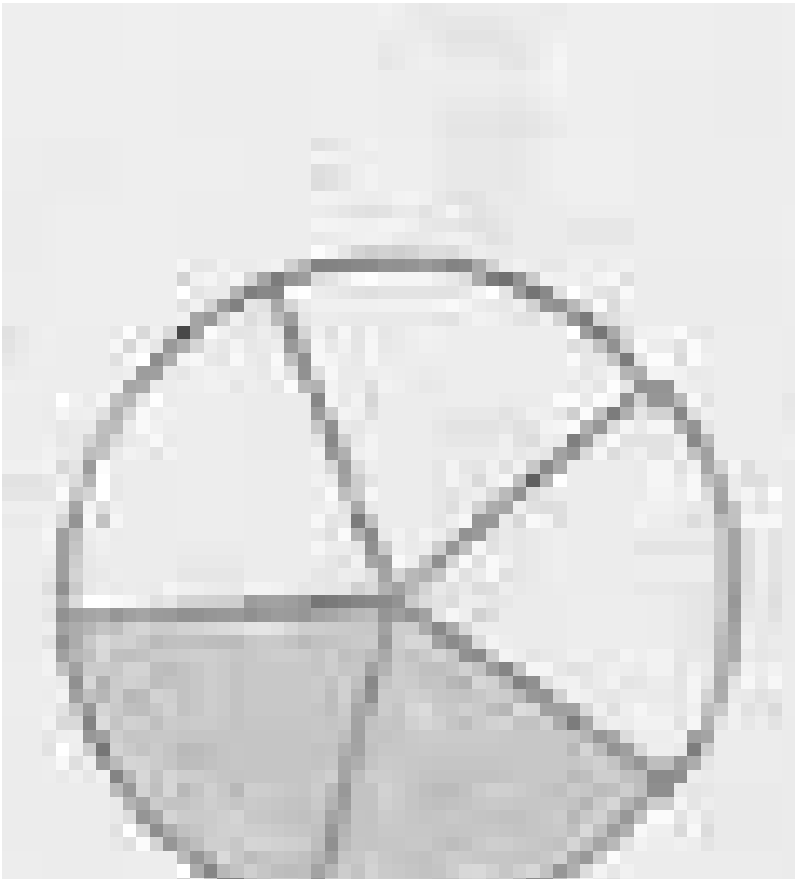
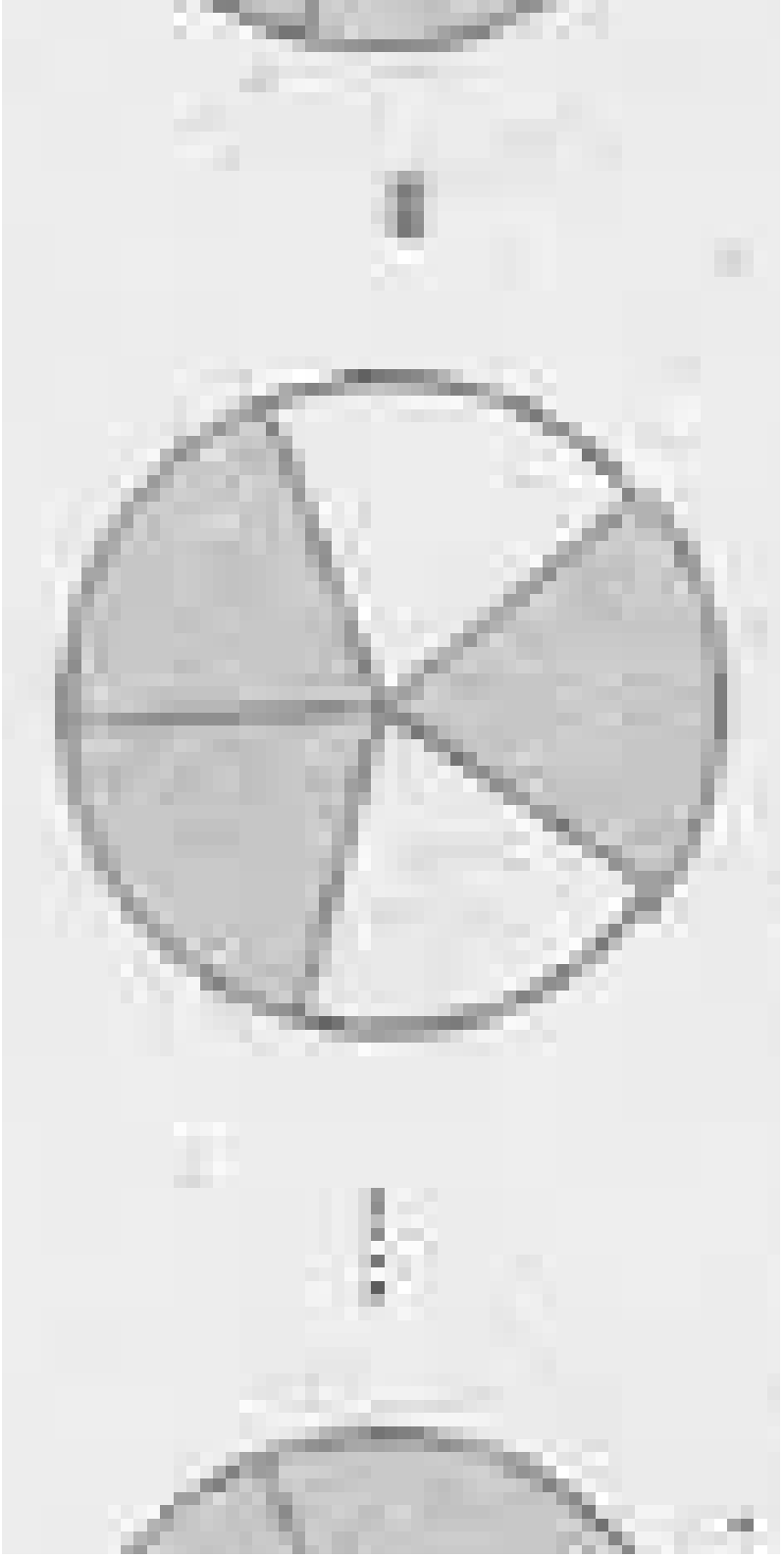
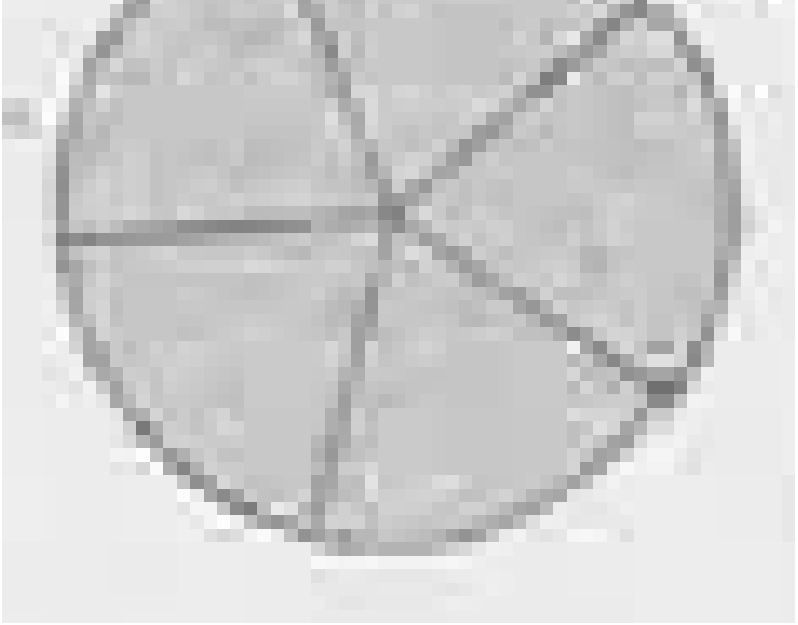
117. Write these fractions appropriately as additions or subtraction : (b)







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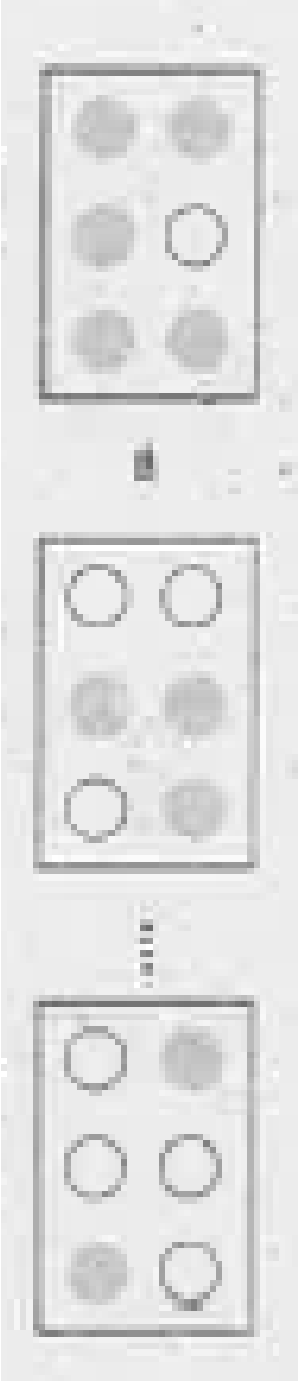
118. Write these fractions appropriately as additions or subtraction : (c)



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119. Solve : (a) $\frac{1}{18}+\frac{1}{18}$

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120. Solve : (b) $\frac{18}{15}+\frac{3}{15}$

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121. Solve : (c) $\frac{7}{7}-\frac{5}{7}$

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122. Solve : (d) $\frac{1}{22} + \frac{21}{22}$

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123. Solve : (e) $\frac{12}{15} - \frac{7}{15}$

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124. So,ve : (f) $\frac{5}{8} + \frac{3}{8}$

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125. Solve : (g) $1\frac{2}{3}\left(1 = \frac{3}{3}\right)$

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126. Solve : (h) $\frac{1}{4} + \frac{0}{4}$

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127. Solve : (i) $3 - \frac{12}{5}$

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128. Shubham painted 2/3 of the wall space in his room. His sister Madhavi helped and painted 1/3 of the wall space. How much did they paint together?

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129. Fill in the missing fractions. (a) $\frac{7}{10}$ - ? = $\frac{3}{10}$

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130. Fill in the missing fractions. (b) ? -3/21 =5/21

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131. Fill in the missing fractions. (c) ? - 3/6 = 3/6

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132. Fill in the missing fractions. (d) ? + 5/27 = 12/27

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133. Javed was given 5/7 of a basket of oranges. What fraction of orranges was left in the basket?

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134. Solve (a) $\frac{2}{3} + \frac{1}{7}$

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135. Solve (b) $\frac{3}{10} + \frac{7}{15}$

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136. Solve (c) $\frac{4}{9} + \frac{2}{7}$

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137. Solve (d) $\frac{5}{7} + \frac{1}{3}$

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138. Solve (e) $\frac{2}{5} + \frac{1}{6}$

Watch Video Solution

139. Solve (f) $\frac{4}{5}+\frac{2}{3}$

Watch Video Solution

140. Solve (g) $\frac{3}{4}-\frac{1}{3}$

Watch Video Solution

141. Solve (h) $\frac{5}{6}-\frac{1}{3}$

Watch Video Solution

142. Solve (i) $\frac{2}{3}+\frac{3}{4}+\frac{1}{2}$

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143. Solve (j) $\frac{1}{2}+\frac{1}{3}+\frac{1}{6}$

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144. Solve (k) $1-\frac{1}{3}+3\frac{2}{3}$

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145. Solve (l) $4\frac{2}{3}+3\frac{1}{4}$

Watch Video Solution

146. Solve (m) $\frac{16}{5} - \frac{7}{5}$

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147. Solve (n) $\frac{4}{3} - \frac{1}{2}$

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148. Sarita bought 2/5 metre of ribbon and Lalita 3/4 metre of ribbon. What is the total length of the ribbon they bought?

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149. Naina was given $1\frac{1}{2}$ piece of cake and Najma was given $1\frac{1}{3}$ piece of cake. Find the total amount of cake was given to both of them.

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150. Fill in the boxes : (a) ?- 5/8 = 1/4

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151. Fill in the boxes : (b) ? - 1/5 = 1/2

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152. Fill in the boxes : (c) 1/2 - ? = 1/6

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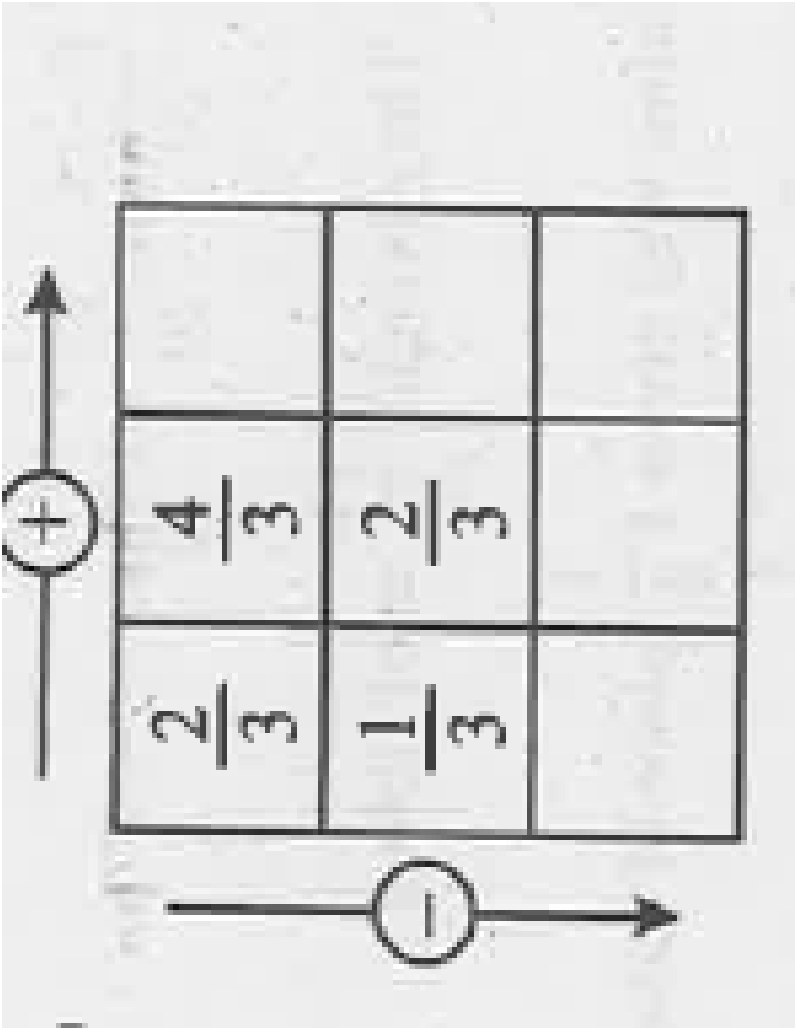
153. Complete the addition-subtraction box. (a)



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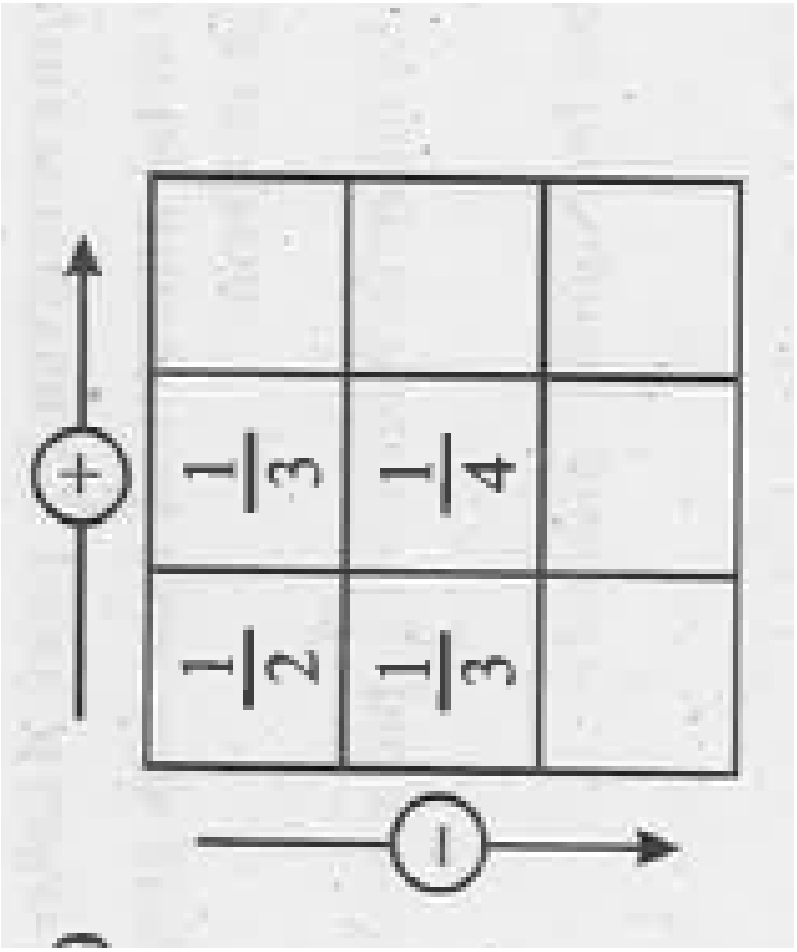
154. Complete the addition-subtraction box. (b)



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155. A piece of wire 7/8 metre long broke into two pieces. One piece was 1/4 metre long. How long is the other piece?

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156. Nandini's house is 9/10 km from her school. She walked some distance and then took a bus for 1/2 km to reach the school. How far did she walk?

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157. Asha and Samuel have bookshelves of the same size partly filled with books. Ashu's shelf is 5/6 th full and

Samuel's shelf is 2/5th full. Whose bookshelf is more full? By what fraction?

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158. Jaidev takes 2– 1/5 minutes to walk across the school ground. Rahul takes 7/4 minutes to do the same. Who takes less time and by what fraction?

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