doubtnut
India's Number 1 Education App

MATHS

NCERT - NCERT MATHS(TELUGU)

RATIO AND PROPORTION

Exercise

1. Express the following in their simplest form -

$2:3$

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2. Express the following in their simplest form

- $16 : 20$

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3. Express the following in their simplest form

- $5 : 6$

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4. Express the following in their simplest form

$20 : 60$

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5. Express the following in their simplest form

$8 : 15$

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6. Express the following in their simplest form

- $19:2$

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7. A bag contains 20kg of rice and another bag contains 60 kg of wheat. Find the ratio of the amount of rice to that of wheat ?

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8. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to the number of girls.

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9. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to total number of students.

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10. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of girls to total number of students.

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11. Draw a four sided closed figure and divide it into some number of equal parts. Shade the figure with any colour so that the ratio of shaded parts to unshaded parts $1:3$. Draw two more different figure and do the same.

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12. Imran bought 2 Liters of oil and vijay bought 500ml of oil. Find the ratio of quantities of oil bought by Imarn to oil bought by Vijay.

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13. Weight of Abraham is 20kg and his father's weight is 60 kg. Find the ratio weight of

Abraham and his father. Express it in the simplest form.

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14. Ramu spent $\frac{2}{5}th$ of his money on a story book. Find the ratio of money spent to the money with him at the begnning.

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15. A bag of 25 marbles is shared between Rahul and Kiran in the ratio of $2:3$ - How many marbles does kiran receive ?

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16. A bag of 25 marbles is shared between Rahul and Kiran in the ratio of $2:3$ - How many marbles does Rahul receive ?

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17. A point X on $AB = 14cm$ divides it in the ratio of $3:4$. Find the length of Ax and XB.

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18. Geeta and Laxmi won ₹ 1050 in a game. They agreed to share the amount in the ratio of $3:4$. How much does each person receive ?

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19. Divide ₹ 3600 between Satya and Vishnu in the ratio of $3:5$.

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20. Two numbers are in the ratio $5:6$. If the sum of the numbers is 132. Find the two numbers.

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21. The ratio of income and savings of an employee is 11:2. His expenditure is Rs. 5346. Find his savings.

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22. If three apples cost ₹ 45, how much would five apples cost ?

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23. Laxmi bought 7 books for a total of ₹ 56. How much would she pay for just 3 books ?

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24. Reena wants to prepare vegetable pulao, she needs 300 gms of rice, if she has to feed 4 people. How much of rice be needed if the same pulao is prepared for 7 people ?

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25. The cost of 16 chairs is ₹ 3600. Find the number of chairs that can be purchased for ₹ 4500.

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26. A train moving at a constant speed covers distance of 90 km in 2 hours. Find the time taken by the train to cover a distance of 540 km at the same speed.

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27. The income of kumar for 3 months is ₹ 15000. If he earns the same amount for a month - How much will he earn in 5 months ?

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28. The income of kumar for 3 months is ₹ 15000. If he earns the same amount for a month - In how many months will he earn ₹ 95000 ?

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29. If the cost of 7 meters of cloth is Rs. 294. Find the cost of 5m of cloth.

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30. A framer has sheeps and cows in the ratio $8:3$ - How many sheeps has the farmer, if he has 180 cows ?

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31. A framer has sheeps and cows in the ratio $8:3$ - Find the ratio of the number of sheeps to the total number of animals the farmer has.

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32. A framer has sheeps and cows in the ratio $8:3$ - Find the ratio of the total number of animals with the farmer to the number of cows with him.

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33. The temperature has dropped by 15 degree celsius in the last 30 days. If the rate of temperature drop remains the same, how much more will be the temperature drop in the next 10 days ?

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34. Fill in the blank : $\frac{15}{18} = \frac{\square}{6} = \frac{10}{\square} = \frac{\square}{30}$

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35. There are 45 persons working in an office. The number of females is 25 and the remaining are males. Find the ratio of - The number of females to the number of males.

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36. There are 45 persons working in an office. The number of females is 25 and the remaining are males. Find the ratio of - The number of males to the number of females.

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37. what is the ratio of green to yellow sweets?

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

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38. if you have 8 yellow sweets in the medium sized bag, how many will be yellow?

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

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39. if there are 32 sweets in the medium sized bag,How many will be yellow

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

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40. in the super fat size bag there are 40 sweets. How many will be the green.

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

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41. In the sweet bowl if there are 16 yellow sweets. How many total sweets are in the bowl ?

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

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42. what is the ratio of girls to boys

Girls	4	8			
Boys			15	20	
Total					45

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43. In a school survey it was found that for every 4 girls there are 5 boys. In class of 27

children in a class. How many would be girls.

Girls	4	8			
Boys			15	20	
Total					45

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44. In a school survey it was found that for every 4 girls there are 5 boys.If there are 54 children in a class. How many are boys.

Girls	4	8			
Boys			15	20	
Total					45

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45. If 20 girls join in a year. How many boys would join?

Girls	4	8			
Boys			15	20	
Total					45

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46. Fill in the Blanks - Two quantities of the same units are called .....

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47. Fill in the Blanks : In $5:8$, the consequent is .....

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48. Fill in the Blanks : The simplest form of $125 : 75$ is .....

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49. Fill in the Blanks - The ratio of week and month ? .....

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50. Fill in the Blanks - The ratio of 650 gms : 2 kg. is.....

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51. There are 650 in a school. Out of them 375 are girls. What is the ratio of boys to girls ?

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52. There are 650 in a school. Out of them 375 are girls. What is the ratio of boys to the total students ?

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53. The length of a line is 28 cm, if the line is divided in the ratio of $4:3$, then find the length of both the parts.

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54. Lakshmi is 11 years old. Her mother's age is 4 times to her's. What is the age of the mother ?

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55. Write the equivalent ratios (4) of the given ratio 7:9.

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56. Naveen read 27 pages of the book in one day. Praveen read 18 pages of the same book in one day and If the book has 540 pages,then how many days does each take to read the book?

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57. A Gold smith mixes gold and copper in the ratio of 5:2 to prepare an ornament. If the

ornament weights 105 gms. Find the weight of gold and copper in it.

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58. In a mathematical class the ratio of the boys to the girls is 3:2. If the difference in the number of boys to girls is 18. Find the number of boys.

Watch Video Solution

59. In a mathematical class the ratio of the boys to the girls is 3:2. If the difference in the number of boys to girls is 18: Find the number of girls.

Watch Video Solution

60. In a mathematical class the ratio of the boys to the girls is 3:2. If the difference in the number of boys to girls is 18. Find the total number of students.

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61. The length of your Mathematics text book 27 cm, and its breadth 18 cm. Find the ratio of the length to its breadth.

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62. The weight of 14 instrumental boxes is 6.3 kg. Find the weight 20 similar boxes.

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63. The volvo moving at a constant speed covers a distance of 120 km in 2 hours. Find the time taken by the bus to cover a distance of 570 km at the same speed.

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64. Arrange the following numbers to form proportionality - $7, 4, 8, 14$

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65. Arrange the following numbers to form proportionality - $6, 10, 9, 15$

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66. Express the ratio in it's simplest form :- Rs. 7.50 : Rs. 10

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67. Find the ratios in the simplest form :- 3.6 km : 1800 m

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68. Express the ratio in it's simplest form :- 5.2 lt : 650 ml

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69. If $4, x, 12, 15$ are in proportion. Find the value of x.

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70. The expenditure for 18 students in a hostel per month is ₹ 2700. If the expenditure in a month is raised to ₹ 3300, how many more students are joined in that month ?

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71. If a road roller makes 120 rotations to cover 720 mts of distance, how many rotations does it make to cover 3 km of distance ?

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72. Form the figure,find the ratio : Rectangle to squares

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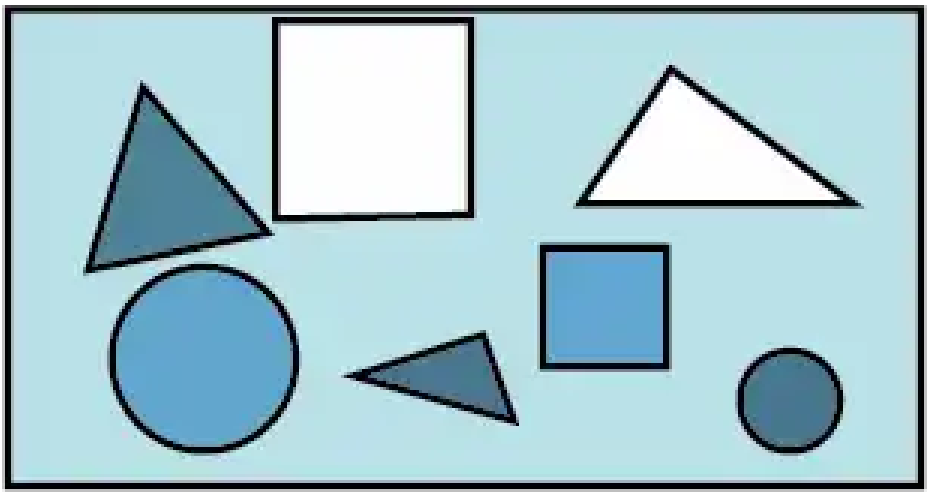
73. Form the figure,find the ratio : Circles to triangles



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74. Write the equivalent ratios of the following ratios - $5:7$

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75. Write the equivalent ratios of the following ratios - $3:8$

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76. Padmaja earns ₹ 24000 a month, out of which she expends

₹ 18000 and the remaining she saves. Find the ratio of earnings to expenditure

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77. Padmaja earns ₹ 24000 a month, out of which she expends

₹ 18000 and the remaining she saves. Find the ratio of savings to expenditure.

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78. The room is painted with green and yellow in the ration of $2:5$ and if the total area of the

four walls 280 sq. mts. Find areas with different colours.

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79. Divide 20 apples between A & B persons in $3:2$ ratio.

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80. If p, q, r, s are in proportion, show the relationship between them.

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81. The inverse ratio of $a:b$ is .....

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82. In the equivalent ratio of $7:9$, If the consequent is 63, Find the Antecedent.

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Example

1. Rafi has 16 red marbles and 4 blue marbles. Find the ratio of red marbles to blue marbles Rafi has ?

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2. In a mathematics class there are 16 boys and 20 girls. Find the ratio of number of boys to the number of girls and express it in the simplest form.

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3. On Snigdha's birthday, her father brought a flower bouquet that contain 18 flowers in all.If the ratio of red flowers to yellow is 1 : 2. Find their number.

Watch Video Solution

4. A goldsmith mixes gold and copper in the ratio 7:2 to prepare an ornament. If the

ornament weighs 45gms, find the weight of gold and copper in it.

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5. Line segment AB is divided into five equal parts.

In what ratio does X divides line segment AB?

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6. Line segment AB is divided into five equal parts.

If the length of the line segment AB is 15 cm, find the length of the line segments AX and XB.

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7. Hari and Teja won a Lottery, which they agreed to share in the ratio of 5:3. If Teja

received Rs150, how much did Hari receive? Also find the total amount.

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8. Raju and Bharath add their money and bought 20 pencils. Raju contributed Rs12 and Bharath Rs18. They wanted to distribute the pencils between them.

(i) Bharath said 10 pencils for each

(ii) Raju said 12 pencils for Bharath and 8

pencils for him.

Who is correct? justify your answer.

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9. If the cost of 12 pencils is Rs 24, then find the cost of 10 pencils.

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10. If the cost of 6 bottles of juice is Rs 210, then what will be the cost of 4 bottles of

juice?

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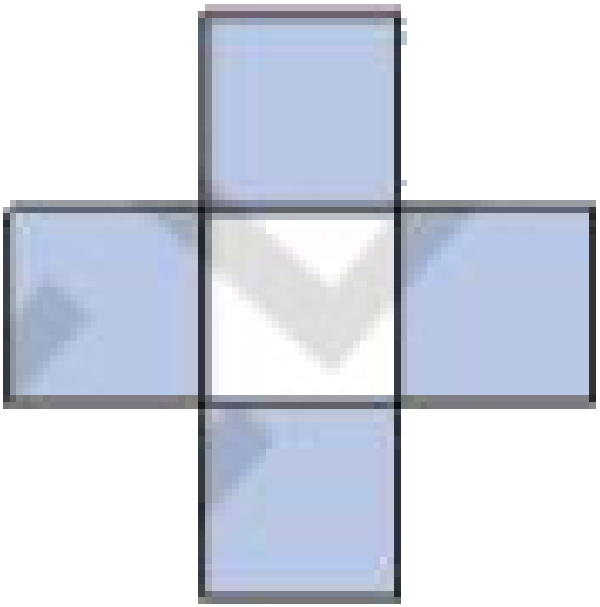
Try These

1. In the given figure, find the ratio of

Shaded parts to unshaded parts



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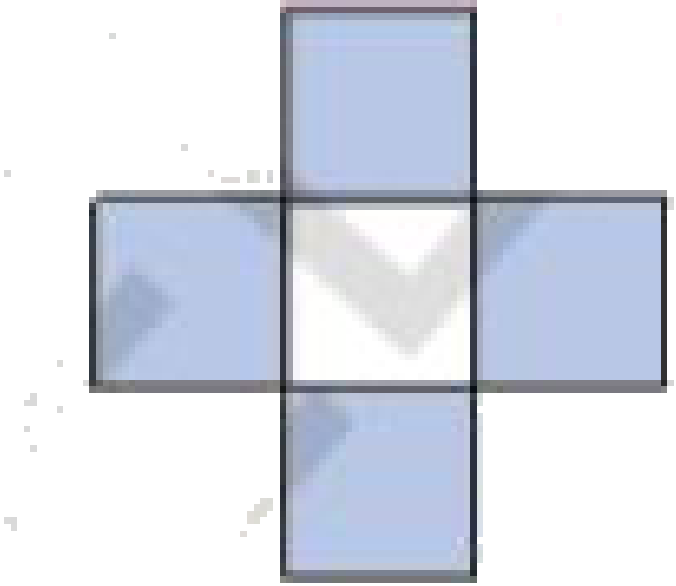
2. In the given figure, find the ratio of

Shaded parts to total parts



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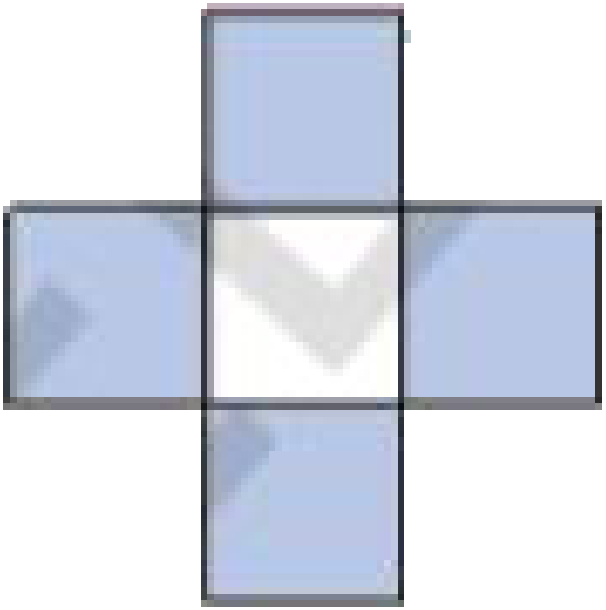
3. In the given figure, find the ratio of

Unshaded parts to total parts



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4. Complete the following tables

Ratio	1:2	2:3	5:7		
1 time	1:2				
2 times		4:6			
3 times			15:21		
4 times				12:16	
5 times					20:25

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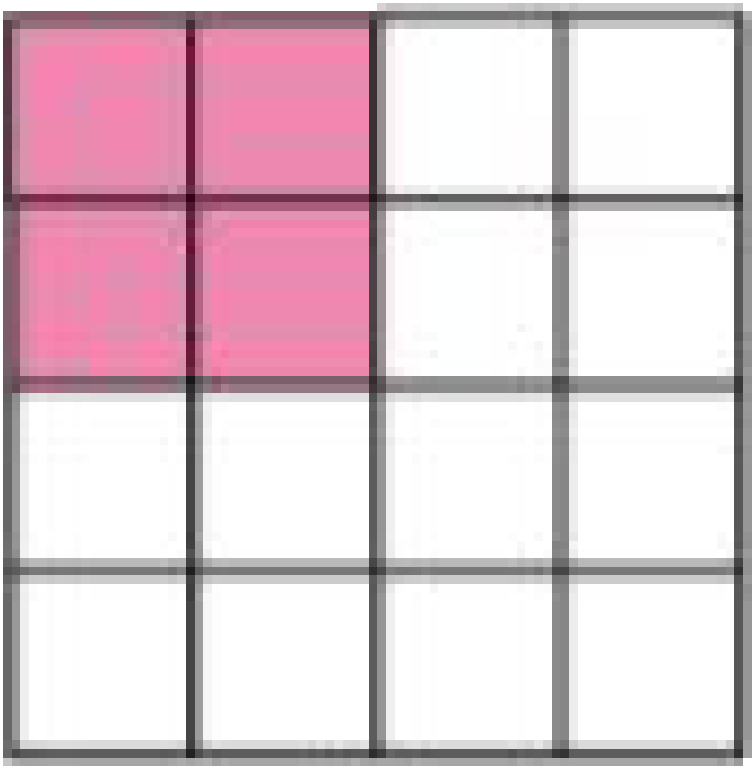
5. In the following figures, express the ratio of shaded parts to unshaded parts in the

simplest terms.



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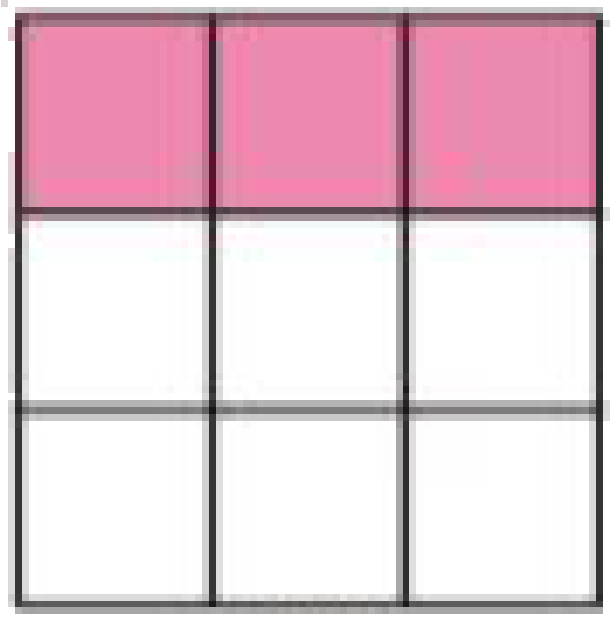
6. In the following figures, express the ratio of shaded parts to unshaded parts in the simplest terms.



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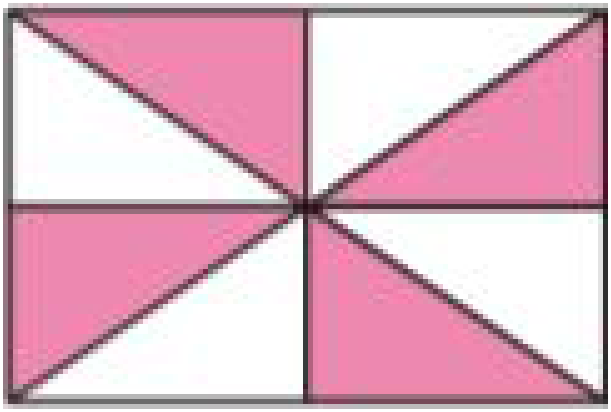
7. In the following figures, express the ratio of shaded parts to unshaded parts in the simplest terms.



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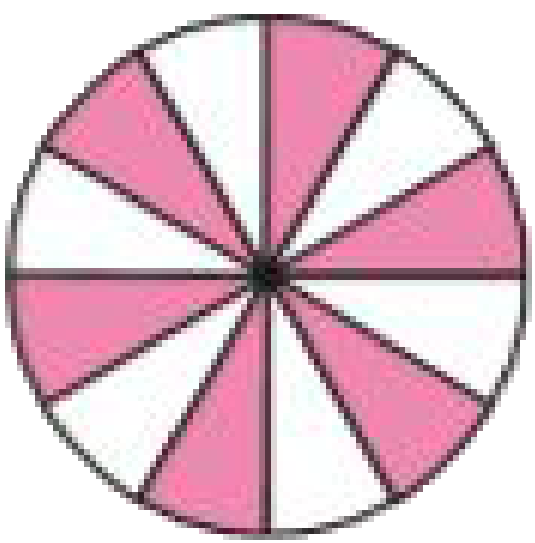
8. In the following figures, express the ratio of shaded parts to unshaded parts in the

simplest terms.



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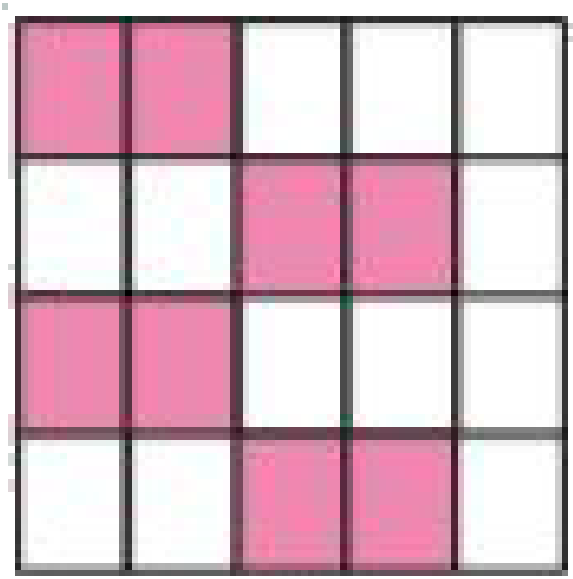
simplest terms.



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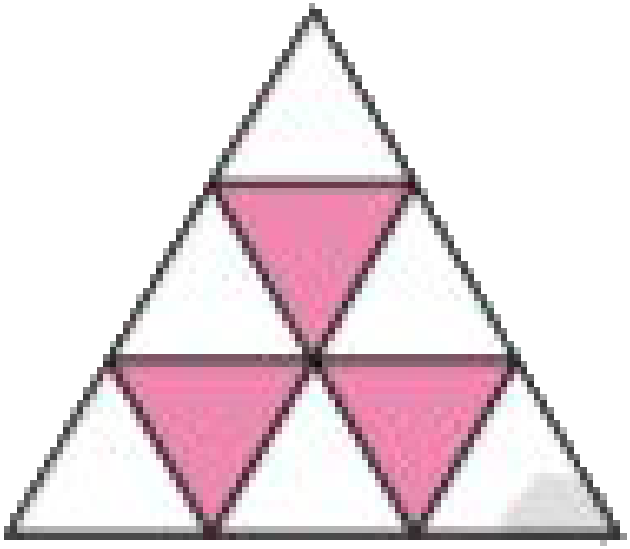
10. In the following figures, express the ratio of shaded parts to unshaded parts in the

simplest terms.



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11. Express each of following decimals in the $\frac{p}{q}$ form

0.125

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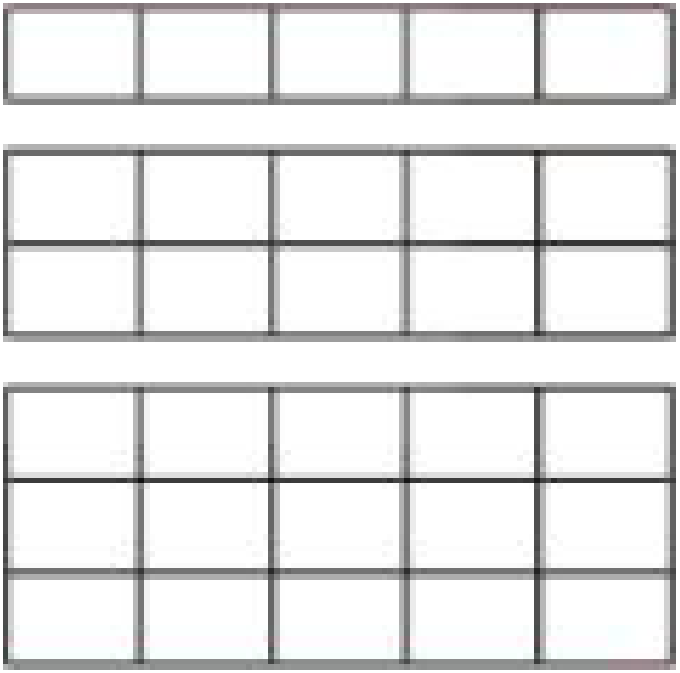
12. In the given square rule paper with 5 squares, colour 3 squares red and 2 squares green.

If 10 squares are given, find how many are to be red and how many of them are to be green so that it becomes proportionate to the figure.

If there are 15 squares then colour them

accordingly.



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13. Observe the example and fill in the blanks

Observe the example and fill in the blanks.

S. No	First Quantity	Second Quantity	Comparing statement	Ratio	Comparison by changing the order	Ratio
1	2 apples	6 apples	Apples in the first basket are one-third of the apples in the second basket.	1 : 3	Apples in the second basket are 3 times the apples in the first basket.	3 : 1
2	500g of Copper	1000g of Iron				
3	Cost of T-Shirt ₹200	Cost of a Coat ₹1000				

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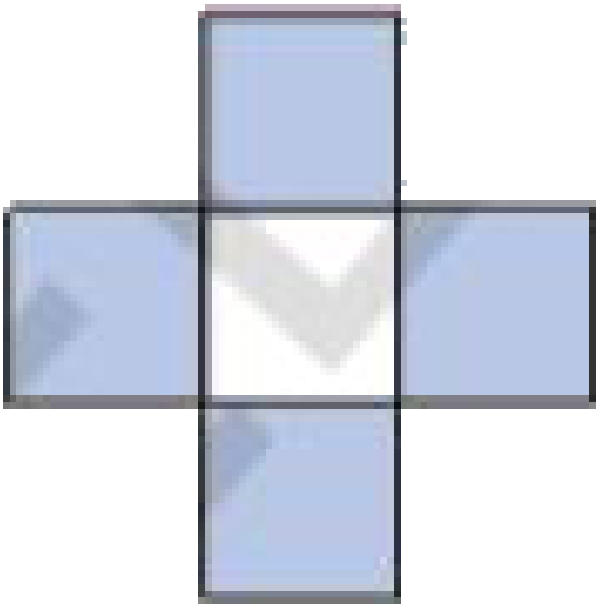
14. In the given figure, find the ratio of

Shaded parts to unshaded parts



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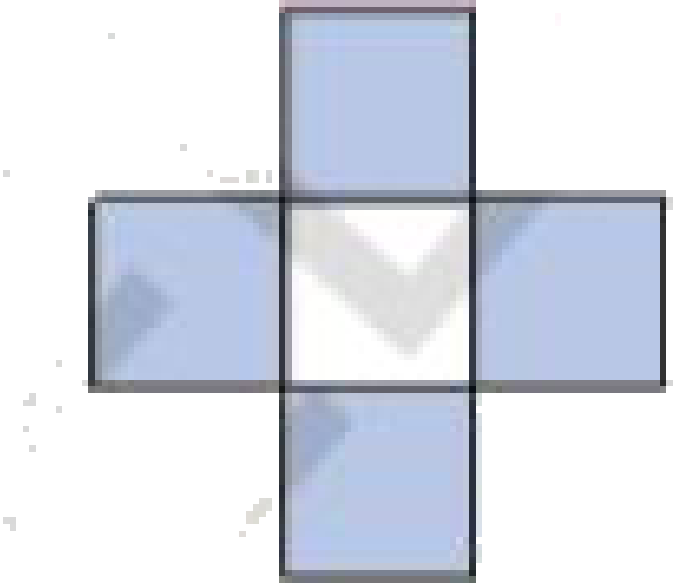
15. In the given figure, find the ratio of

Shaded parts to total parts



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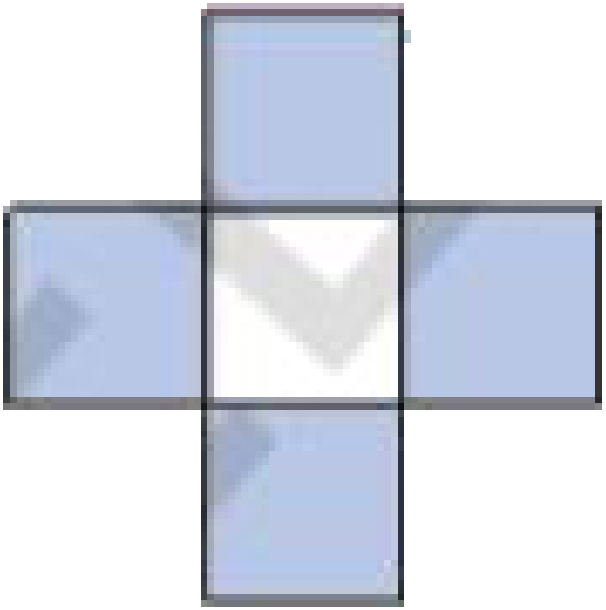
16. In the given figure, find the ratio of

Unshaded parts to total parts



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17. In the following figures, express the ratio of shaded parts to unshaded parts in the

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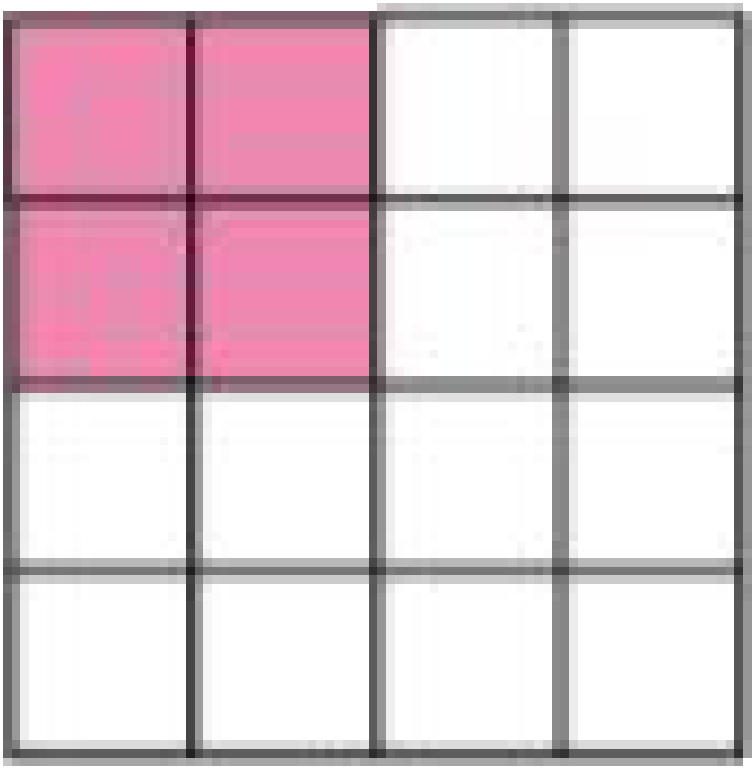

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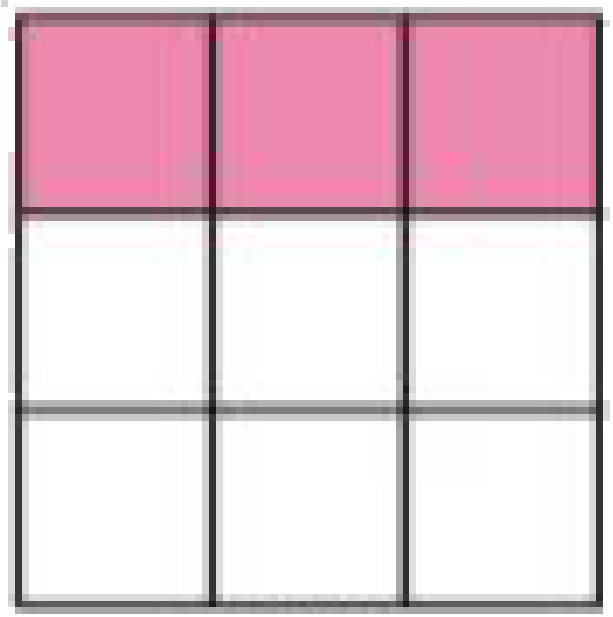
18. In the following figures, express the ratio of shaded parts to unshaded parts in the simplest terms.



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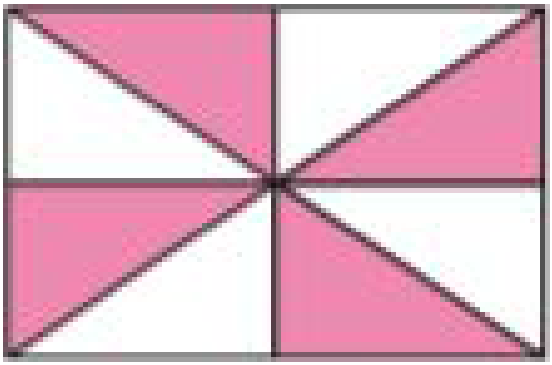
19. In the following figures, express the ratio of shaded parts to total parts in the simplest terms.



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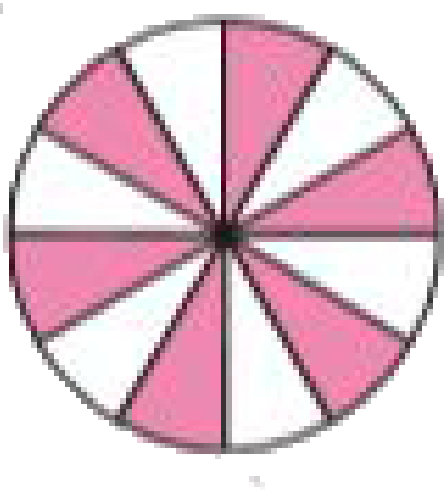
20. In the following figures, express the ratio of shaded parts to total parts in the simplest terms.



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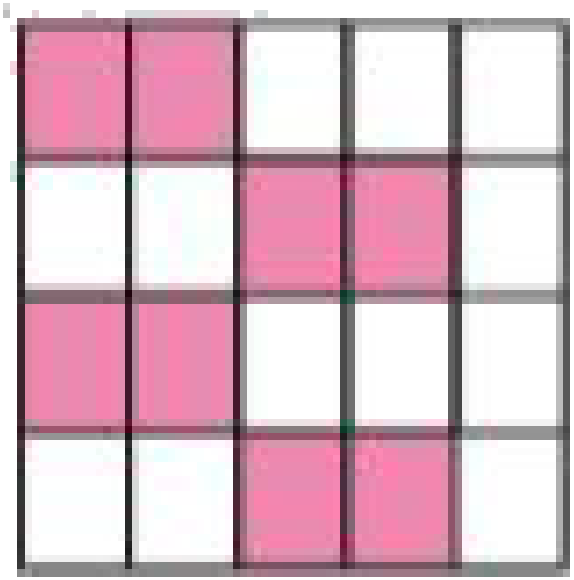
21. In the following figures, express the ratio of shaded parts to total parts in the simplest terms.



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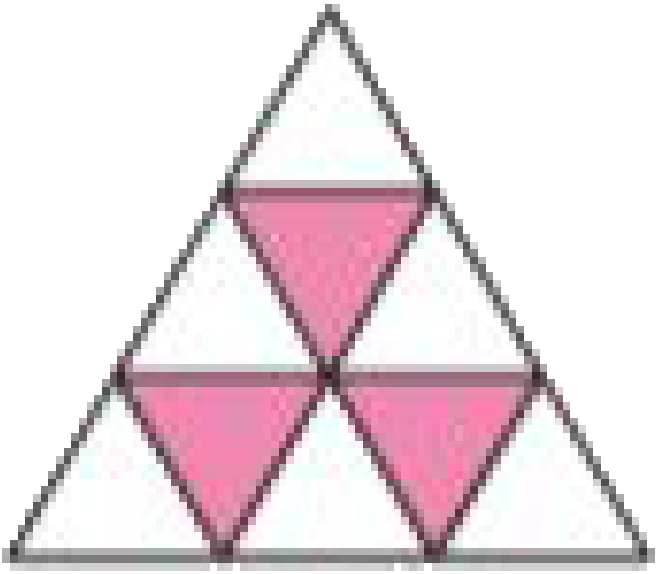

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23. Express each of following decimals in the $\frac{p}{q}$ form

106.16

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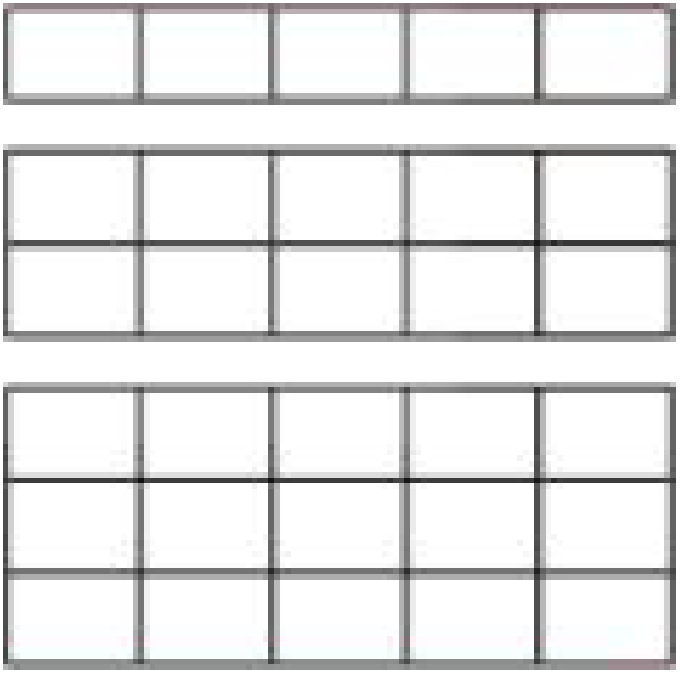
24. In the given square rule paper with 5 squares, colour 3 squares red and 2 squares green.

If 10 squares are given, find how many are to be red and how many of them are to be green

so that it becomes proportionate to the figure.

If there are 15 squares then colour them accordingly.



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Exercise 11 1

1. Complete the following table.

S. No.	First quantity	Second quantity	ratio
(i)			3 : 5
(ii)			
(iii)			
(iv)			
(v)			

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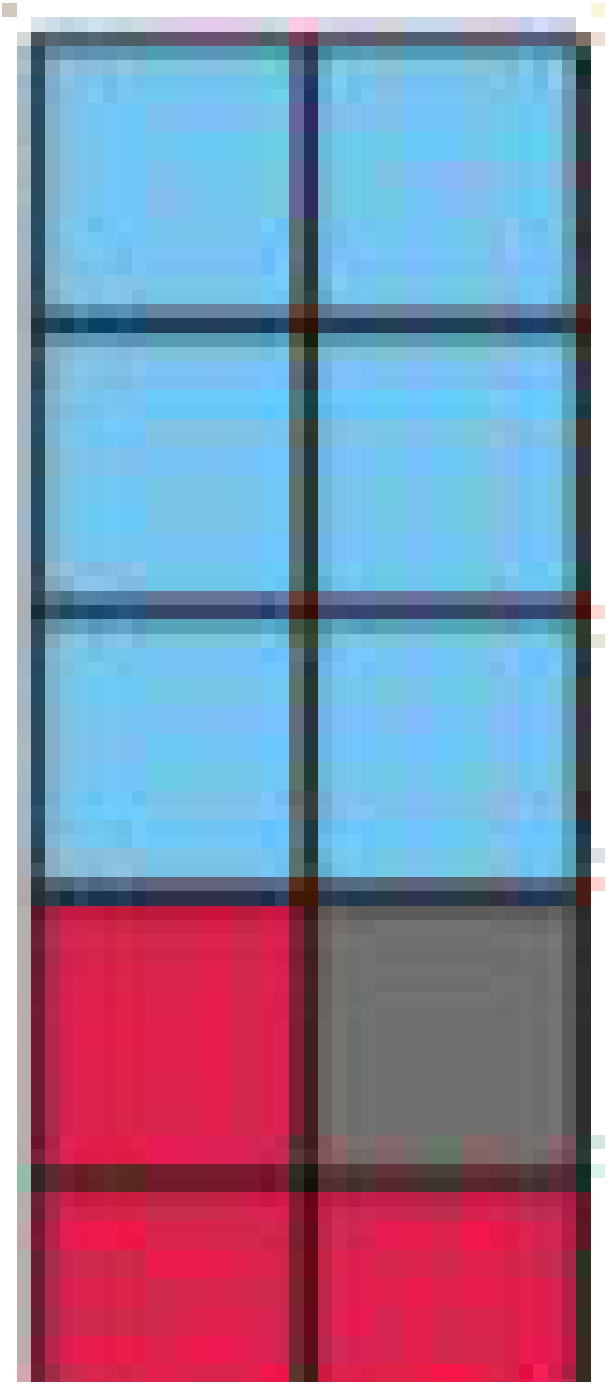
2. Compare:

Number of blue coloured squares is _____

times of the number of red colour squares.



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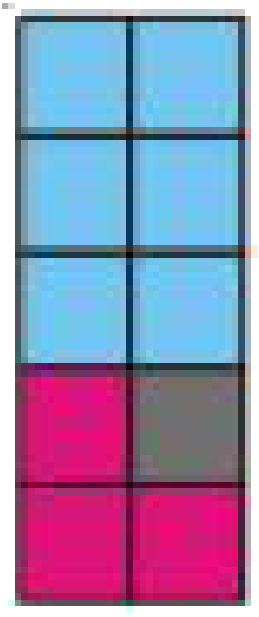
3. Compare:

Number of red coloured squares is _____ of

the number of blue coloured squares.



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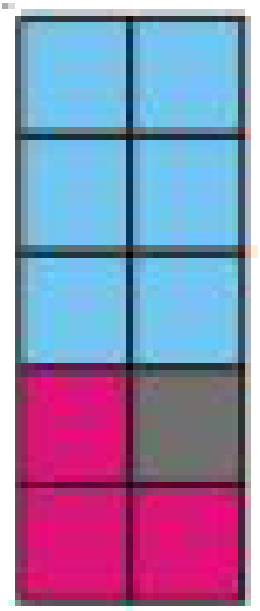
4. Compare:

Find the ratio of number of blue squares to the number of red squares.



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5. Solve the following:

A milk man adds 250 ml of water to 1 litre of milk. Find the ratio of water to milk.

Watch Video Solution

6. Solve the following:

Satya's mother bought 4 kg pulses and 50g chilli powder. Find the ratio of weights of chilli

powder to pulses. What is the ratio of weights of the pulses to chilli powder?

Watch Video Solution

7. Solve the following:

Rani takes 30 minutes to reach school from home. Ismail take 1/2 an hour to cover the same distance. Find the ratio of time taken by Rani to the time taken by Ismail.

Watch Video Solution

8. Complete the following table.

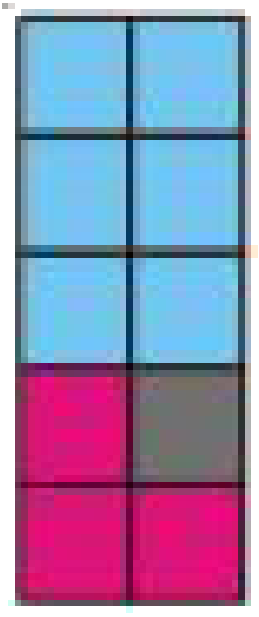
S. No.	First quantity	Second quantity	ratio
(i)			3 : 5
(ii)			
(iii)			
(iv)			
(v)			

Watch Video Solution

9. Compare:

Number of red coloured squares is _____ of

the number of blue coloured squares.



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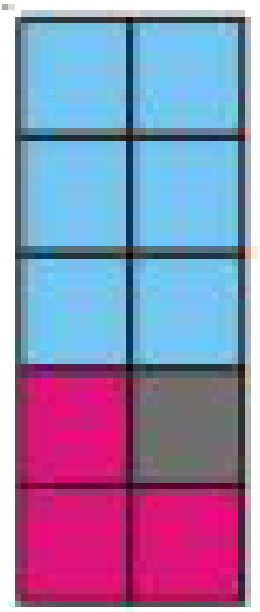
10. Compare:

Number of red coloured squares is _____ of the number of blue coloured squares.



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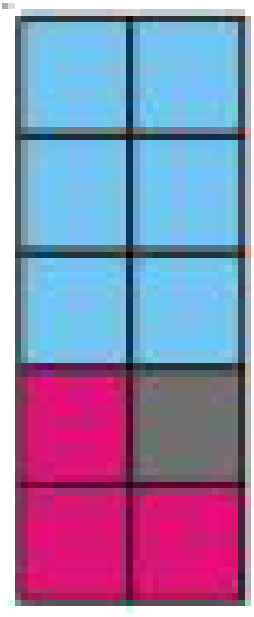
11. Compare:

Find the ratio of number of blue squares to

the number of red squares.



Watch Video Solution

12. Solve the following:

A milk man adds 250 ml of water to 1 litre of milk. Find the ratio of water to milk.

Watch Video Solution

13. Solve the following:

Satya's mother bought 4 kg pulses and 50g chilli powder. Find the ratio of weights of chilli powder to pulses. What is the ratio of weights of the pulses to chilli powder?

Watch Video Solution

14. Solve the following:

Rani takes 30 minutes to reach school from home. Ismail take 1/2 an hour to cover the same distance. Find the ratio of time taken by Rani to the time taken by Ismail.

Watch Video Solution

Exercise 11 2

1. Express the following ratios in their simplest form

$2:3$

Watch Video Solution

2. Express the following ratios in their simplest form

$16:20$

Watch Video Solution

3. Express the following ratios in their simplest form

$5:6$

Watch Video Solution

4. Express the following ratios in their simplest form

$20:60$

Watch Video Solution

5. Express the following ratios in their simplest form

$8:15$

Watch Video Solution

6. Express the following ratios in their simplest form

$19:2$

Watch Video Solution

7. A bag contains 20kg of rice and another bag contains 60 kg of wheat. Find the ratio of the amount of rice to that of wheat ?

Watch Video Solution

8. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to the number of girls.

Watch Video Solution

9. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to total number of students.

Watch Video Solution

10. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of girls to total number of students.

Watch Video Solution

11. Draw a four sided closed figure and divide it into some number of equal parts. Shade the figure with any colour so that the ratio of shaded parts to unshaded parts $1:3$. Draw two more different figure and do the same.

Watch Video Solution

12. Imran bought 2 Liters of oil and vijay bought 500ml of oil. Find the ratio of quantities of oil bought by Imarn to oil bought by Vijay.

Watch Video Solution

13. Weight of Abraham is 20kg and his father's weight is 60 kg. Find the ratio weight of Abraham and his father. Express it in the simplest form.

Watch Video Solution

14. Ramu spent $\frac{2}{5}th$ of his money on a story book. Find the ratio of money spent to the money with him at the begnning.

Watch Video Solution

15. Express the following ratios in their simplest form

$2:3$

Watch Video Solution

16. Express the following ratios in their simplest form

$16:20$

Watch Video Solution

17. Express the following ratios in their simplest form

$5:6$

Watch Video Solution

18. Express the following ratios in their simplest form

$20:60$

Watch Video Solution

19. Express the following ratios in their simplest form

$8:15$

Watch Video Solution

20. Express the following ratios in their simplest form

$19:2$

Watch Video Solution

21. A bag contains 20kg of rice and another bag contains 60 kg of wheat. Find the ratio of the amount of rice to that of wheat? What is the ratio of rice to the total weight?

Watch Video Solution

22. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to the number of girls.

Watch Video Solution

23. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of boys to total number of students.

Watch Video Solution

24. Suppose there are 32 students in a class of which 12 are girls. Find : The ratio of number of girls to total number of students.

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25. Draw a four sided closed figure and divide it into some number of equal parts. Shade the figure with any colour so that the ratio of shaded parts to unshaded parts $1:3$. Draw two more different figure and do the same.

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26. Imran bought 2 Liters of oil and vijay bought 500ml of oil. Find the ratio of

quantities of oil bought by Imarn to oil bought by Vijay.

Watch Video Solution

27. Weight of Abraham is 20kg and his father's weight is 60 kg. Find the ratio weight of Abraham and his father. Express it in the simplest form.

Watch Video Solution

28. Ramu spent $\frac{2}{5}th$ of his money on a story book. Find the ratio of money spent to the money with him at the begnning.

Watch Video Solution

Exercise 11 3

1. A bag of 25 marbles is shared between Rahul and Kiran in the ratio of $2:3$ - How many marbles does kiran receive ?

Watch Video Solution

2. A bag of 25 marbles is shared between Rahul and Kiran in the ratio 2: 3

How many marbles does Rahul receive?

Watch Video Solution

3. A point X on $AB = 14cm$ divides it in the ratio of $3:4$. Find the length of Ax and XB.

Watch Video Solution

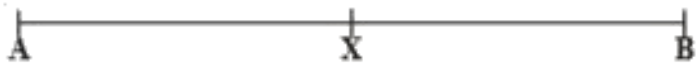
4. Geetha and Laxmi won Rs 1050 in a game. They agreed to share the amount in the ratio of 3:4. How much does each person receive?

5. Divide Rs 3600 between Satya and Vishnu in the ratio of 3:5.

6. Two numbers are in the ratio $5:6$. If the sum of the numbers is 132. Find the two numbers.

Watch Video Solution

7. Estimate the ratio in which X divides AB and then check your estimation by measuring it.



Watch Video Solution

8. The ratio of income and savings of an employee is 11:2. His expenditure is Rs. 5346. Find his savings.

Watch Video Solution

9. A bag of 25 marbles is shared between Rahul and Kiran in the ratio of $2:3$ - How many marbles does kiran receive ?

Watch Video Solution

10. A bag of 25 marbles is shared between Rahul and Kiran in the ratio 2: 3

How many marbles does Rahul receive?

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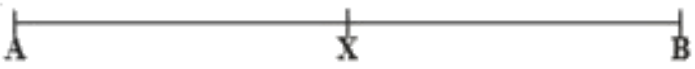
12. Geetha and Laxmi won Rs 1050 in a game. They agreed to share the amount in the ratio of 3:4. How much does each person receive?

13. Divide Rs 3600 between Satya and Vishnu in the ratio of 3:5.

14. Two numbers are in the ratio 5:6. If the sum of the numbers is 132, find the biggest number.

Watch Video Solution

15. Estimate the ratio in which X divides AB and then check your estimation by measuring it.



Watch Video Solution

16. The income and savings of an employee are in the ratio 11:2. If his expenditure is Rs. 5346 then find his income and savings.

Watch Video Solution

Exercise 11 4

1. If three apples cost Rs45, how much would five apples cost?

Watch Video Solution

2. Laxmi bought 7 books for a total of Rs56. How much would she pay for just 3 books?

Watch Video Solution

3. Reena wants to prepare vegetable pulao, she needs 300 gms of rice, if she has to feed 4 people. How much of rice be needed if the same pulao is prepared for 7 people ?

Watch Video Solution

4. The cost of 16 chairs is ₹ 3600. Find the number of chairs that can be purchased for ₹ 4500.

Watch Video Solution

5. A train moving at a constant speed covers distance of 90 km in 2 hours. Find the time taken by the train to cover a distance of 540 km at the same speed.

Watch Video Solution

6. The income of kumar for 3 months is ₹ 15000. If he earns the same amount for a month - How much will he earn in 5 months ?

Watch Video Solution

7. The income of kumar for 3 months is ₹ 15000. If he earns the same amount for a month - In how many months will he earn ₹ 95000 ?

Watch Video Solution

8. If the cost of 7 meters of cloth is Rs 294, find the cost of 5m of cloth.

Watch Video Solution

9. A framer has sheeps and cows in the ratio $8:3$ - How many sheeps has the farmer, if he has 180 cows ?

Watch Video Solution

10. A framer has sheeps and cows in the ratio $8:3$ - Find the ratio of the number of sheeps to the total number of animals the farmer has.

Watch Video Solution

11. A framer has sheeps and cows in the ratio $8:3$ - Find the ratio of the total number of animals with the farmer to the number of cows with him.

Watch Video Solution

12. Are 3, 5, 15, 9 in proportion? If we change their order, can we think of proportional pairs? Write as many proportionality statements as you can for the above example.?

Watch Video Solution

13. The temperature has dropped by 15 degree celsius in the last 30 days. If the rate of temperature drop remains the same, how

much more will be the temperature drop in the next 10 days ?

Watch Video Solution

14. Fill in the blank : $\frac{15}{18} = \frac{\square}{6} = \frac{10}{\square} = \frac{\square}{30}$

Watch Video Solution

15. Ratio of breadth and length of a hall is 2: 5. Complete the following table that shows some possible breadths and lengths of the hall.

Breadth of the hall(in m)	10	?	40			
Length of the hall(in m)	25	50	?			

Add 3 more of your choice

Watch Video Solution

16. Express each of following decimals in the $\frac{p}{q}$ form

97.25

Watch Video Solution

17. Geetha earns Rs 12000 a month, out of which she saves Rs 3000. Find the ratio of her Expenditure to savings

Watch Video Solution

18. Geetha earns Rs 12000 a month, out of which she saves Rs 3000. Find the ratio of her Savings to her income

Watch Video Solution

19. Geetha earns Rs 12000 a month, out of which she saves Rs 3000. Find the ratio of her Expenditure to her income.

Watch Video Solution

20. There are 45 persons working in an office. The number of females is 25 and the remaining are males. Find the ratio of

The number of females to number of males

Watch Video Solution

21. There are 45 persons working in an office. The number of females is 25 and the remaining are males. Find the ratio of - The number of males to the number of females.

Watch Video Solution

22. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

What is the ratio of green to yellow sweets?

Watch Video Solution

23. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

If you have 8 yellow sweets, how many green sweets will you have?

Watch Video Solution

24. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

If there are 32 sweets in the medium sized bag. How many will be yellow ?

Watch Video Solution

25. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

In the super fat size bag there are 40 sweets.

How many will be green ?

Watch Video Solution

26. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

In the sweet bowl if there are 16 yellow sweets.

How many total sweets are in the bowl?

Watch Video Solution

27. In a school survey it was found that for every 4 girls there were 5 boys.

Fill in the following table.

Girls	4	8			
Boys			15	20	
Total					45

Now answer these questions:

What is the ratio of girls to boys?

Watch Video Solution

28. In a school survey it was found that for every 4 girls there are 5 boys. In class of 27 children in a class. How many would be girls.

Girls	4	8			
Boys			15	20	
Total					45

Watch Video Solution

29. In a school survey it was found that for every 4 girls there are 5 boys.If there are 54 children in a class. How many are boys.

Girls	4	8			
Boys			15	20	
Total					45

Watch Video Solution

30. If 20 girls join in a year. How many boys would join?

Girls	4	8			
Boys			15	20	
Total					45

Watch Video Solution

31. If three apples cost Rs45, how much would five apples cost?

Watch Video Solution

32. Laxmi bought 7 books for a total of Rs56. How much would she pay for just 3 books?

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41. A framer has sheeps and cows in the ratio $8:3$ - Find the ratio of the total number of animals with the farmer to the number of cows with him.

Watch Video Solution

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Watch Video Solution

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44. Fill in the blank : $\frac{15}{18} = \frac{\square}{6} = \frac{10}{\square} = \frac{\square}{30}$

Watch Video Solution

45. Ratio of breadth and length of a hall is 2: 5.

Complete the following table that shows some possible breadths and lengths of the hall.

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Length of the hall(in m)	25	50	?			

Add 3 more of your choice

Watch Video Solution

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96.96

Watch Video Solution

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Watch Video Solution

48. Geetha earns Rs 12000 a month, out of which she saves Rs 3000. Find the ratio of her Savings to her income

Watch Video Solution

49. Geetha earns Rs 12000 a month, out of which she saves Rs 3000. Find the ratio of her Expenditure to her income.

Watch Video Solution

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The number of females to number of males

Watch Video Solution

51. There are 45 persons working in an office. The number of females is 25 and the

remaining are males. Find the ratio of - The number of males to the number of females.

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52. what is the ratio of green to yellow sweets?

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

Watch Video Solution

53. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

What is the ratio of green to yellow sweets?

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54. if there are 32 sweets in the medium sized bag,How many will be yellow

Yellow	i	4	6	iv	v
Green	6	12	iii	24	—
Total Sweets	8	ii	24	—	40

Watch Video Solution

55. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

What is the ratio of green to yellow sweets?

Watch Video Solution

56. A bag of sweets contain yellow and green sweets. For every 2 yellow sweets, there are 6 green sweets. Complete this table based on the above information.

Yellow		4	6		
Greeen	6	12		24	
Total Sweets	8		24		40

Now answer these questions.

What is the ratio of green to yellow sweets?

Watch Video Solution

57. In a school survey it was found that for every 4 girls there were 5 boys.

Fill in the following table.

Girls	4	8			
Boys			15	20	
Total					45

Now answer these questions:

What is the ratio of girls to boys?

Watch Video Solution

58. In a school survey it was found that for every 4 girls there were 5 boys.

Fill in the following table.

Girls	4	8			
Boys			15	20	
Total					45

Now answer these questions:

In a class of 27 children, how many would be girls?

View Text Solution

59. In a school survey it was found that for every 4 girls there were 5 boys.

Fill in the following table.

Girls	4	8			
Boys			15	20	
Total					45

Now answer these questions:

There are 54 children in a class. How many are boys?

View Text Solution

60. In a school survey it was found that for every 4 girls there were 5 boys.

Fill in the following table.

Girls	4	8			
Boys			15	20	
Total					45

Now answer these questions:

If 20 girls join in a year. How many boys would join?

Watch Video Solution