

Revision Worksheet for class 6

1. The ratio of the length of pole A to the length of pole B is 4 : 5.
 - (a) Find the ratio of the length of pole A to the total length of the two poles.
 - (b) What fraction of the length of pole A is the length of pole B?
 - (c) What fraction of the length of pole B is the length of pole A?
 - (d) What fraction of the total length of the two poles is the length of pole A?
 - (e) What fraction of the total length of the two poles is the length of pole B?
2. The amount of money Suria spent is $\frac{9}{4}$ of the amount of money Lin spent.
 - (a) What fraction of the total amount of money spent is the amount of money Suria spent?
 - (b) What fraction of the total amount of money spent is the amount of money Lin spent?
3. The table below shows that the no. of boys and girls in different groups. The no. of boys and the no. of girls are in a fixed ratio. Complete the table.

No. of boys	7	14	63		105	
No. of girls	8	16		88		144

4. Lima uses 2 eggs for every 240 gm of flour to make a cake.
 - (a) The ratio of the number of eggs to the amount of flour use is _____ : _____.
 - (b) If Lima uses 5 eggs, She needs to use _____ gm of flour.
 - (c) If Lima uses 720 gm of flour, She needs to use _____ eggs.
5. The ratio of the length of a rectangle to its breadth is 9 : 4. If the perimeter of the rectangle is 104 cm, find the area of the rectangle?
6. The ratio of Zali's marbles to Muthu's marbles was 3 : 4. Muthu gave half of his marbles to Zali. What was the new ratio of the number of marbles Zali had to the number of marbles Muthu had?
7. The ratio of the length to the breadth of our national flag is 3 : 2.
 - (a) Complete the following table.

Length (cm)	Breadth (cm)
3	2
	48
96	
	128

- (b) If the length of the flag is 1.8 m, find its breadth.
8. At a birthday party, the ratio of the no of boys to the no of girls was 5 : 3. Halfway through the party, 20 boys left and the ratio became 5:4.How many girls were there?
9. Mr. Robin mixes blue paint and yellow paint to make green paint. When 4 pails of blue paints and 5 pails of yellow paint are mixed, a container of green paint is obtained.
 - (a) Find the ratio of the number of pails of yellow paint used to the number of pails of blue paint used.
 - (b) If Mr. Robin uses a total of 63 pails of blue and yellow paint, how many pails of blue paint does he use?

- (c) How many containers of green paint can Mr. Robin get if he uses 12 pails of blue paint and 15 pails of yellow paint?
- (d) How many pails of yellow paint does Mr. Robin use if he makes 5 containers of green paint?
10. Kok Yang's mass is $\frac{2}{7}$ of Melvin's mass.
- (a) Express Melvin's mass as a fraction of Kok Yang's mass.
- (b) What is the ratio of Kok Yang's mass to Melvin's mass?
- (c) What is the ratio of Melvin's mass to the total mass of the two boys?
- (d) Express Kok Yang's mass as a fraction of the total mass of the two boys..
11. Fill-up the gap:- (a) $2:5 = 24: \underline{\hspace{2cm}}$ (b) $5:7 = 25: \underline{\hspace{2cm}}$
12. The selling price of 1 kg of chicken was \$ 5.40. This was 10% less than the usual price.
- (a) What was the usual price of the chicken
- (b) If the chicken was sold at a price that was 8% more than the usual price, what would be the selling price of the chicken?
13. Amit bought a pair of pants for \$ 45. He had to pay 7% GST(Goods Service Tax).
- (a) How much GST did Amit pay?
- (b) How much did Amit pay for the pair of pants?
14. Mr. Zarif invests \$ 55000 in a fix deposit account. The interest rate is 3.3 % per year. How much money will he have in the account after one year?
15. A jug contained 780 ml of milk. Mrs Li poured 221 ml of the milk into a glass and 130 ml into a cup. What % of milk was left in the Jug?
16. The usual price of a ball is \$20. Mr. Boon sold the ball to Xoon for \$23. Find the % increase in price.
17. Express each percentage as a decimal:
- (a) 25% (b) 52% (c) 0.9% (d) 125% (e) 367%
18. Express each of the following as a percentage.
- (a) 207 out of 300 (b) 36 out of 200 (c) 45 out of 900
19. Sheerin had \$80. She spent \$24 on a pair of shoes and \$18 on a blouse. What percentage of her money was left?
20. Express the fraction as percentage:- (a) $\frac{240}{300} = \underline{\hspace{2cm}}\%$ (b) $\frac{32}{50} = \underline{\hspace{2cm}}\%$
21. The room temperature was 24°C in the morning. Five hours later, the room temperature had increased by 12%. (a) What was the increase in the temperature of the room? (b) What was the room temperature after five hours later?

22. Mr. Rayat earns \$ 4200 per month. His wife earns $\frac{6}{7}$ as much as Mr. Rayat. Mr. Rayat saves $\frac{1}{5}$ of his salary and Mrs. Rayat saves $\frac{1}{8}$ of her salary. How much do they save together per month?
23. The bars of chocolate in a box have a total mass of $\frac{15}{16}$ kg. Each bar of chocolate has a mass of $\frac{5}{32}$ kg. How many bars of chocolate are there in the box?
24. Tanu saved $\frac{3}{10}$ of her salary, spent another $\frac{1}{5}$ of it and divided the rest among her family. Each member of her family received $\frac{1}{8}$ of her salary.
- (a) Find the number of her family members the received $\frac{1}{8}$ of her salary.
- (b) If Tanu's salary was \$ 2400, How much money did each member of her family receive?
25. How many two-thirds are there in 5 wholes?
26. Add : (a) $1\frac{2}{3} + 1\frac{1}{2}$ (b) $3\frac{2}{3} + 5\frac{1}{7}$ (c) $1\frac{3}{5} + 1\frac{9}{11}$ (b) 11
- $\frac{2}{3} + 2\frac{1}{7}$
27. Subtract : (a) $1 - \frac{1}{8} - \frac{2}{4}$ (b) $4\frac{1}{2} - 2\frac{3}{8}$ (c) $13 - 4\frac{1}{2}$
28. 4 cakes were shared among a group of children. Each child got $\frac{2}{9}$ of a cake. How many children were there in the group?
29. Solve : $2x+5=3$
30. Solve : $10x + 8 = -2x + 1$
31. Solve : $5x-26 = -12$
32. Solve : $10x-2=59$
33. Solve : $2y-5y+5=3$
34. Solve : $10x+28- 5x + 8 = -2x + 1$
35. Solve : $5x-25+3x+26 = -12$
36. Solve : $10x+2x -9x-2=59+3x-7$
37. Solve : $-2x -73 = -89$
38. Solve : $18x + 75 = 21$

39. Mrs. Bipasha bought p bags of rice at \$9 each. She gave the cashier \$50.

(a) Find the change Mrs. Bipasha received in terms of p .

(b) If $p = 3$, How much change did Mrs. Ifra receive?

40. Add : (a) $5x + 6y$ (b) $5j + 6k$ (c) $15m + 16n$

$$\underline{2x + 9y}$$

$$\underline{-5j + 2k}$$

$$\underline{25m - 2n}$$

41. Subtract : (a) $\frac{5a}{3a}$ (b) $\frac{k+p}{k+p}$ (c) $\frac{2f-4t}{f+2t}$

42. Simplify : $2a + 6a - 3a + c =$ _____.

43. Simplify : $2k + 16a - 33a + 26 =$ _____.

44. Simplify : $12a - 6a + 23a + d =$ _____.

45. Simplify : $5m - 6n + 166 - 33n + 26 =$ _____.

46. Simplify : $21a + 26a - 13a + a =$ _____.

47. Simplify : $83k + 161k - 33k + 62 =$ _____.

48. Simplify : $8s + 6 - 2s - 1 =$ _____.

49. Simplify : $9r + 10 + 2 - 3r =$ _____.

50. State the algebraic expression for each of the following.

(a) 7 more than $p =$

(b) Subtract k from $f =$

(c) Divide $2b$ by 12 =

(d) Multiply d by $t =$

(e) Find the sum of 5 and $\frac{f}{2} =$

(f) $5x$ means of x is =

(g) $8g$ means _____ groups of _____.

51. Draw 90° construction using pencil compass and ruler with explanations.

52. Draw 60° construction using pencil compass and ruler with explanations.

53. Geometry : From Work Book(6A), Page : 23 Nos: 1(a,b)

54. Geometry : From Work Book(6A), Page : 26 Nos: 2(d,e)

55. Geometry : From Work Book(6A), Page : 28 Nos: 1(c,d)

56. Geometry : From Home Work Book(6A), Page : 11 Nos: 1

57. Geometry : From Text Book (6A), Page : 30 Nos: 1,2

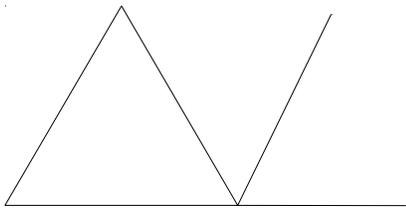
58. Geometry : From Text Book(6A), Page : 33 Nos: 7,8

59. Geometry : From Home Work Book(6A), Page : 12 Nos: 3,4

60. Geometry : From Home Work Book(6A), Page : 13 Nos: 1,2,3

Take good preparation

61. BC is an equilateral triangle and BCD is a straight line. Find $\angle ABC$ and $\angle ACE$



62. Draw a 90° angle by using pencil, compass and ruler (all the arcs should be shown) and explain it's construction.

Construction:

Construction in words:

63.

64. Add: (a) $5j + 6k$
 $-2j + 9k$ (b) $2a + 6a - 3a + c =$ _____.

Subtract : (a) $2m - 4n$

$m + 2n$

(b) $25p^2 - 25p^2 =$ _____.