



Chittagong Grammar School Dhaka

Class 6

Revision Worksheet for final

Book: Volume 6B

1. The distance between Town A and Town B is 147 km. A van takes 3 hours to travel from Town A to Town B. What is the speed of the van?
2. A parachutist falls at a speed of 3200 m/min. What is the distance the parachutist falls in 4 minutes?
3. A bat can fly at a speed of 48 km/h. How many minutes will it take to fly a distance of 8 km?
4. The distance between Singapore and Bintan is 45 km.
 - a. If a ferry travels at a speed of 60 km/h, how long will it take to travel from Singapore to Bintan?
 - b. If the ferry takes 40 min to travel from Singapore to Bintan, what is the speed of the ferry? Leave your answer in km/min. Give your answer correct to 1 decimal place.
5. Renee took 3 min to walk from the school to the store. She walked another 675 m at a speed of 75 m/min from the store to the library. Renee walked a total distance of 834 m.
 - a. Find the total time taken for the journey.
 - b. Find Renee's average speed for the whole distance.
6. Chitra ran round a 385 m track twice. She took 5 mins to run the first round and 6 mins to complete the second round. Find her average speed.
7. A boat travelled for 4 hrs from Pole A to Pole B. Then it travelled for 3 hrs from Pole B back to Pole A. The distance between the two poles was 40 km.
 - a. Find the total time taken for the whole journey.
 - b. Find the average speed for the whole journey.
8. Mr. Kumar drove for 5 hours from Singapore to Malacca at an average speed of 60 km/h. How long would it take to travel the same distance if Mr Kumar drove at an average speed of 80 km/h?
9. Mrs Leong took 1 hr to drive $\frac{1}{5}$ of a journey from Village R to Village S. She drove the remaining 180 km in 4 h.
 - a. What was Mrs Leong's speed for the first part of the journey?
 - b. How long did she take to travel the whole country?
 - c. Find Mrs Leong's average speed for the whole country.

10. Fauzia took 30mins to cycle from her house to the cinema. If she cycled the first 3 km of the journey at a speed of 150 m/min, find her average speed for the remaining 3 km of the journey.
11. A train is travelling at an average speed of 96 km/h. What is the total distance travelled after:
 - a) 3 h, b) 5 h
12. Han Wei Cycles for 45 min to work every day. He cycles a distance of 9 km each time. What is Han Wei's cycling speed?
13. A whale can swim at a speed of 500 m/min. How far can it swim in:
 - a. 8 min
 - b. 56 min
14. Lisa began her journey from home at 13 50 and reached her destination at 14 15.
 - a. How long did she take for the whole journey?
 - b. If the total distance taken was 45 km, find her speed.
15. Mr Ng took 2 hrs to travel 104 km from Village X to Village Y. He took another 3 hrs to travel 186 km to Village Z.
 - a. Find the total distance that Mr Ng had travelled.
 - b. What was the average speed for the whole journey?
16. During a swimming carnival, Gurmit swam a distance of 40 m at a speed of 1 m/s. Then he swam for another 40 sec at a speed of 1.5 m/s. He swam a total distance of 100 m.
 - a. Find the total time taken.
 - b. What was Gurmit's average speed for the whole distance?
17. A salesman took $\frac{1}{2}$ h to drive from Tuas to Bedok at an average speed of 72 km/h. When he returned from Bedok to Tuas, he travelled at an average speed of 90 km/h along the same road. How long did the salesman take to reach Tuas?
18. At 14 30, David left Bedok and cycled towards Pasir Ris at a speed of 10 km/h along the same road. If the distance between Bedok and Pasir Ris was 6 km, how far apart were the boys 15 min later?
19. A train running between two stations 50 km apart arrives on time if it travels at an average speed of 60 km/hr. How late will it be if it travels at an average speed of 50 km/hr?
20. Circle : From Work Book(6B) -Page : 24-26 Nos: 2,3,4,5
21. Circle : From Work Book(6B) -Page : 29-32 Nos: e, 2,3,4,5,6,7,8
22. Circle : From Work Book(6B) -Page : 35-37 Nos: 4, 5,6,7,8,9,10,11
23. Circle : From Text Book(6B) -Page : 46 Nos: 5,6,7,8,9
24. Circle : From Text Book(6B) -Page : 52-54 Nos: 1-8
25. Circle : From Home Book(6B) -Page : 23-24 Nos: 1-4
26. Circle : From Home Book(6B) -Page : 19-22 Nos: 2, 4, 5, 9
27. Pie Chart: From Text Book (6B) – Page : 65-66, Nos : 4, 6
28. Pie Chart: From Text Book (6B) – Page : 67-69, Nos : 2, 3, 5, 6

29. Pie Chart: From Work Book (6B) – Page : 48-56, Nos : 2, 4, 5, 6, 8, 9
30. Pie Chart: From Work Book (6B) – Page : 57-61, Nos :2, 5, 6
31. Pie Chart: From HomeWork Book (6B) – Page : 31-34, Nos: 1,4
32. Pie Chart: From HomeWork Book (6B) – Page : 35-38, Nos:1, 2, 4
33. Area & Perimeter: From Text Book (6B)- Page : 79, No: 3
34. Area & Perimeter: From Text Book (6B)- Page : 81-83, No: 6, 9
35. Area & Perimeter: From Text Book (6B)- Page : 84- 87, No: 2, 4, 5, 6,7, 9, 10, 12
36. Area & Perimeter: From Work Book (6B)- Page : 85-86, No: 1(a, c, e)
37. Area & Perimeter: From Work Book (6B)- Page : 91-95, No: 1, 2, 4
38. Area & Perimeter: From HomeWork Book (6B)- Page : 69-70, No: 2, 4
39. Area & Perimeter: From HomeWork Book (6B)- Page : 65-66, No: 2,4
40. Volume of solids and liquids: From Text Book (6B)- Page:98-106, Nos: 2, 4, 8, 12, 13,20, 22,
Let's explore No.2
41. Volume of solids and liquids: From Text Book (6B)- Page:107-109, Nos: 2, 3,4, 6,7
42. Volume of solids and liquids: From Text Book (6B)- Page:111-115, Nos: 2,6,10
43. Volume of solids and liquids: From Text Book (6B)- Page:116-118, Nos: 2,3,4,6,8,10
44. Volume of solids and liquids: From Work Book (6B)- Page:103-116, Nos: 2, 4,6,7(a-
e),9,11,12(a-e), 18
45. Volume of solids and liquids: From Work Book (6B)- Page:117-125, Nos: 1a, 3,7,9
46. Volume of solids and liquids: From HomeWork Book (6B)- Page: 83, Nos: 8; pg 85, no.1

Maths Book - Volume 6A (Already Covered in Mid-Term)

47. 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?
48. 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?
49. 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.

50. 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?
51. 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?
52. 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?
53. The mass of flour in a tin is $\frac{5}{6}$ kg . It is packed into packets each containing $\frac{2}{9}$ kg of flour.
- How many packets has the flour been packed into?
 - What is the mass of flour remaining?
54. Eartha baked some cookies. She packed $\frac{2}{3}$ of them into a tin and gave $\frac{1}{5}$ of the remainder to her friend. She had 40 cookies left. How many cookies did she bake?
55. In June, Ariya performed community service at an orphanage for a total of 8 h. She spent $\frac{4}{5}$ h at the orphanage for each visit.
- Find the number of visits she made in June.
 - In July, she spent twice the amount of time she spent in June. How many visits did she make in July?
56. Mrs Tan made 24 mini pizzas. She gave each of her students $\frac{3}{4}$ of a mini pizza. How many students did she have?
57. Pete played 18 tennis matches in a week. Omar played 6 fewer matches than Pete.
- How many tennis matches did Omar play in a week?
 - Find the ratio of the number of matches Pete played to the total number of matches both boys played.
 - Express the number of matches Omar played as a fraction of the number of matches Pete played.
 - What fraction of the total number of matches played by both boys was the number of matches Omar played?
58. Ruthba bought some tuna and sardine from a fishmonger. The ratio of the mass of Tuna to the mass of Sardine was 1: 2. If she bought a total of 12 kg of fishes, find the mass of each type of fish that she bought.
59. The ratio of the number of cakes Zayna had to the number of cakes Qarnine had was 5: 2. After Zayna sold 28 cakes, the ratio became 3:4. How many cakes did each have at first?
60. 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.
- 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?
61. 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.
62. Fill-up the gap:- (a) $2:5 = 24: \underline{\hspace{2cm}}$ (b) $5:7 = 25: \underline{\hspace{2cm}}$
63. 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?
64. 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?
65. Mr. Ahnaf 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?
66. A jug contained 780 ml of milk. Mrs Ruthba poured 221 ml of the milk into a glass and 130 ml into a cup. What % of milk was left in the Jug?
67. The usual price of a ball is \$20. Mr. Boon sold the ball to Xoon for \$23. Find the % increase in price.
68. Zawad bought a watch and she paid \$ 15.40 GST. The GST was 7% of the selling price. How much did the watch cost before GST?
69. Express each percentage as a decimal:
- (a) 30% (b) 52% (c) 0.9% (d) 125% (e) 367%
70. Express each of the following as a percentage.
- (a) 207 out of 300 (b) 46 out of 200 (c) 316 out of 400
71. Rohit had \$80. He spent \$24 on a pair of shoes and \$18 on a pant. What percentage of her money was left?
72. Wendy collects Singapore and Malaysia coins. She has 24 Singapore coins. Her Singapore coins are 80% of her coin collection. How many coins did she collect altogether?

73. Express the fraction as percentage:- (a) $\frac{240}{300} = \underline{\hspace{2cm}}\%$ (b) $\frac{32}{50} = \underline{\hspace{2cm}}\%$
74. 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?
75. Manisha paid \$ 117 for a DVD player. She had been given a 35% discount on the usual price. What was the usual price of the DVD player?
76. Mr. Evan earns \$ 4200 per month. His wife earns $\frac{6}{7}$ as much as Mr. Evan. Mr. Evan saves $\frac{1}{5}$ of his salary and Mrs. Evan saves $\frac{1}{8}$ of her salary. How much do they save together per month?
77. 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?
78. 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?
79. How many two-thirds are there in 5 wholes?
80. Add : (a) $1\frac{2}{3} + 1\frac{1}{2}$ (b) $3\frac{2}{3} + 5\frac{1}{7}$ (c) $1\frac{3}{5} + 1\frac{9}{11}$ (d) $11\frac{2}{3} + 2\frac{1}{7}$
81. Subtract : (a) $1 - \frac{1}{8} - \frac{2}{4}$ (b) $4\frac{1}{2} - 2\frac{3}{8}$ (c) $13 - 4\frac{1}{2}$
82. 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?
83. Solve : $2x+5=3$
84. Solve : $10x + 8 = -2x + 1$
85. Solve : $5x-26 = -12$
86. Solve : $10x-2=59$
87. Solve : $2y-5y+5=3$
88. Solve : $5x-25+3x+26 = -12$
89. Solve : $10x+2x -9x-2=59+3x-7$
90. Solve : $-2x -73 = -89$
91. Solve : $18x + 75 = 21$
92. Mrs. Diya bought p bags of rice at \$9 each. She gave the cashier \$50.
- (a) Find the change Mrs. Diya received in terms of p .
- (b) If $p = 3$, How much change did Mrs. Diya receive?
93. Add : (a) $5x + 6y$ (b) $5j + 6k$ (c) $15m + 16n$
- $2x + 9y$ $-5j + 2k$ $25m - 2n$
94. Subtract : (a) $\begin{array}{r} 35a \\ 37a \end{array}$ (b) $\begin{array}{r} 6k + p \\ k + p \end{array}$ (c) $\begin{array}{r} 2f - 4t \\ f + 27t \end{array}$

95. Simplify : $2a + 6a - 3a + c =$ _____.
96. Simplify : $2k + 16a - 33a + 26 =$ _____.
97. Simplify : $12a - 6a + 23a + d =$ _____.
98. Simplify : $5m - 6n + 166 - 33n + 26 =$ _____.
99. Simplify : $21a + 26a - 13a + a =$ _____.
100. Simplify : $8s + 6 - 2s - 1 =$ _____
101. Simplify : $9r + 10 + 2 - 3r =$ _____.
102. State the algebraic expression for each of the following.
- 8 more than $p =$
 - Subtract k from $f =$
 - Divide $2b$ by $12 =$
 - Multiply d by $t =$
 - Find the sum of 5 and $\frac{f}{2} =$
 - $8g$ means _____ groups of _____.
103. Draw 90° construction using pencil compass and ruler with explanations.
104. Draw 60° construction using pencil compass and ruler with explanations.
105. Geometry : From Work Book(6A), Page : 23-26 Nos: 1(a,b),2(c,d), Page: 27-33, No 1(b,e,j)
106. Geometry : From Work Book(6A), Page : 26 Nos: 2(d,e)
107. Geometry : From Work Book(6A), Page : 28 Nos: 1(c,d),
108. Geometry : From Text Book (6A), Page : 30 Nos: 1,2,3
109. Geometry : From Text Book(6A), Page : 33 Nos: 7,8, Page: 2,4,5,6
110. Geometry : From Home Work Book(6A), Page : 12 Nos: 3,4
111. Geometry : From Home Work Book(6A), Page : 13 Nos: 1,2,3: Page: 15, No 1

Take good preparation