

Revision Worksheet-Term-1- Session 2019-20
Class- VIII, Subject- Mathematics
Topic- Data Handling

NAME _____

DATE _____

Q 1. Ram put some buttons on the table. There were 4 blue, 7 red, 3 black and 6 white buttons in all. All of a sudden, a cat jumped on the table and knocked out one button on the floor. What is the probability of that button on the floor?

Q 2. If the fifth class interval is 60-65 and fourth class interval is 55-60, then what is the first class interval is 45-50?

Q 3. Given below is a frequency distribution table. Read it and answer the questions that follow.

Class interval	frequency
10-20	5
20-30	10
30-40	4
40-50	15
50-60	12

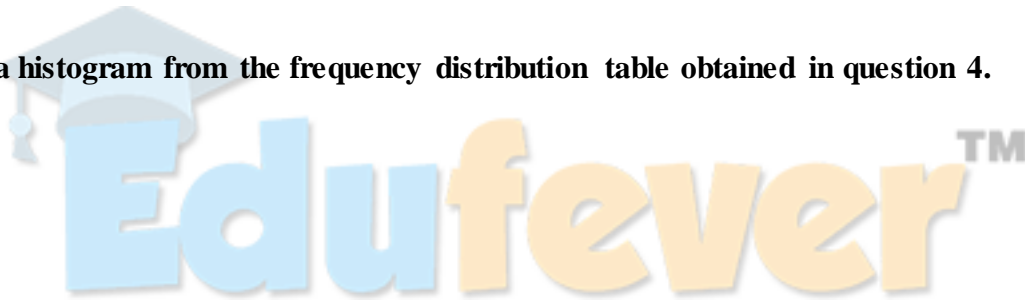
- (a) What is the lower limit of the second class interval? _____
- (b) What is the upper limit of the last class interval? _____
- (c) What is the frequency of the third class? _____
- (d) Which interval has a frequency of 10? _____
- (e) Which interval has the lowest frequency? _____

(f) What is the class size? _____

Q 4. The marks obtained (out of 20) by 30 students of a class in a test are as follows: 14, 16, 15, 11, 15, 14, 13, 16, 8, 10, 7, 11, 18, 15, 14, 19, 20, 7, 10, 13, 12, 14, 15, 13, 16, 17, 14, 11, 10, 20.

Prepare a frequency distribution table for the above data using class intervals of equal width in which one class interval is 4 –8 (excluding 8 and including 4).

Q 5. Prepare a histogram from the frequency distribution table obtained in question 4.



Q.6 If the probability of winning a match is 0.23 then find the probability of losing it.

Revision Worksheet-Term-1- Session 2019-20
Class- VIII, Subject- Mathematics
Topic- Linear Equations

NAME _____

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Q 1. Solve each equation.

1) $6r + 7 = 13 + 7r$

2) $-7x - 3x + 2 = -8x - 8$



3) $-14 + 6b + 7 - 2b = 1 + 5b$

4) $-10 + x + 4 - 5 = 7x - 5$

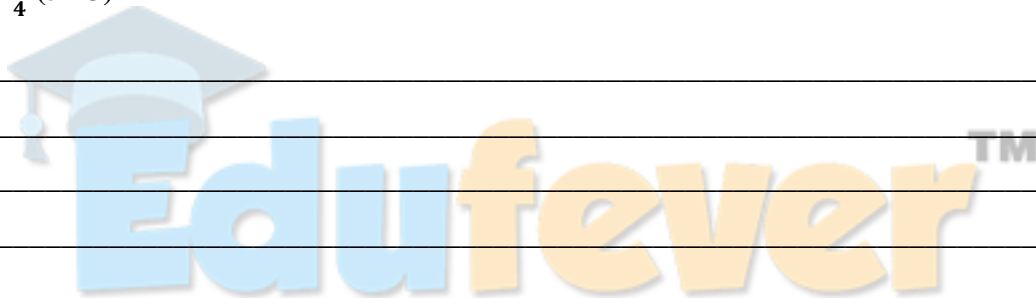
Q 2. Is 4 a solution of $5(2 - x) = -10$? Show work to justify your answer.

Q 3. Find the value of x which satisfies the equation: $5(x - 7) = 7x - 5$

Q 4. Solve : $6(x - 4) + 3(x + 7) = 3$

Q 5. Solve the equation:

$$\frac{2}{3}(x+5) = \frac{1}{4}(5x-3)$$



Q 6. The length of a rectangle is twice its breadth. If the perimeter is 72 metre, find the length and breadth of the rectangle.

Revision Worksheet-Term-1- Session 2019-20
Class- VIII, Subject- Mathematics
Topic- Practical Geometry

NAME_____

DATE_____

Q 1. Construct a quadrilateral ABCD in which $AB = 4.4\text{cm}$, $BC = 4\text{cm}$, $CD = 6.4\text{cm}$, $DA = 2.8\text{cm}$ and $BD = 6.6\text{cm}$



Q 2. Construct a parallelogram ABCD where $AB = 3.6\text{cm}$, $BC = 4.2\text{cm}$ and $AC = 6.5\text{cm}$.

Q 3. Construct a rhombus with side 6cm and one diagonal 8cm. Measure the other diagonal.

Q 4. Construct a quadrilateral ABCD in which $AB = 5.5\text{cm}$, $AD = 4.4\text{cm}$, $CD = 6.5\text{cm}$, $AC = 6.5\text{cm}$ and $BD = 7.1\text{cm}$.



Q 5. Construct a rhombus COLD in which $CL = 7.5\text{cm}$ and $CO = 6\text{cm}$

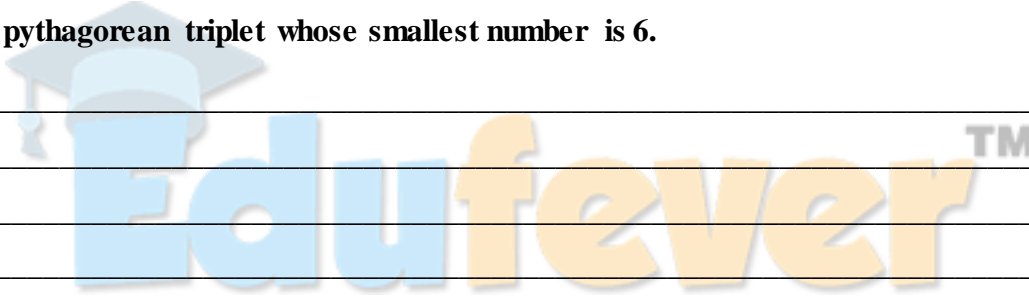
Revision Worksheet-Term-1- Session 2019-20
Class- VIII, Subject- Mathematics
Topic- Square roots and cube roots

NAME _____

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Q 1. Check whether 1728 is a perfect cube by using prime factorisation.

Q 2 . Write a pythagorean triplet whose smallest number is 6.



Q 3. Using prime factorisation, find the cube root of 5832.

Q 4. A ladder 10m long rests against a vertical wall. If the foot of the ladder is 6m away from the wall and the ladder just reaches the top of the wall, how high is the wall?

Q 5. Evaluate the square root of 22.09 by long division method.

Q 6. Find the length of a diagonal of a rectangle with dimensions 20m by 15m.



Q 7. Find the least number that must be added to 1500 so as to get a perfect square. Also find the square root of the perfect square.
