

STEPPING STONE
SCHOOL (HIGH)

CLASS :5

Subject: Mathematics

Date: 29/05/2020

Topic: Mental Maths

Time Limit: 30 Mins

Worksheet No.:5

[Copy the questions and solve them on a sheet of paper date wise. Keep the worksheets ready in a file to be submitted on the opening day.]

Work out the following numericals:-

1. If 10 Km is covered in $\frac{1}{2}$ hour, how long will a journey of 100 Km take? ----
-hours.
2. How many centimeters are there in $8\frac{1}{4}$ metres? -----cm
3. The absolute value of -60 is -----
4. Find the value of $2 \times 2 \times 3 \times 5 \times 7$ ----
5. $\frac{3}{4}$ Of a score = -----units
6. Factors of 60 = -----
7. $\frac{1}{2}$ dozen + 2 scores = ----

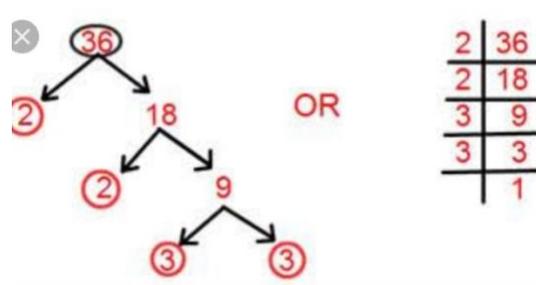
Write the prime factors of each number:-

8. 6=

9. 10 =
10. 15 =
11. 20 =
12. 14 =
13. 22 =
14. 35 =
15. 65 =
16. 48 =
17. 45 =
18. 25 =
19. 27 =
20. 50 =

Follow the hints given below and try to solve the numericals on your own

1. Example, if 5 Km is covered in $\frac{1}{2}$ h, how long will a journey of 50 Km. take? (1h =60min, therefore, $\frac{1}{2}$ h = 30 Mins. So, if 5 km is covered in 30 Mins. Then 1 km is covered in $\frac{30}{5} = 6$ Mins and 50 km is covered in $50 \times 6 = 300$ Mins = $\frac{300}{60} = 5$ hours
2. 1metre = 100 cm, therefore, $4 \frac{1}{4}$ metres = $\frac{17}{4} \times 100 = 17 \times 25 = 425$ cm
3. The absolute value of $-30 = 30$ (the absolute value of a number is never negative)
4. This one can be done by you, as it was shown in the previous worksheet
5. Example, $\frac{1}{4}$ of a score = $\frac{1}{4} \times 20 = 5$ units (1 score = 20 units)
6. Example, Factors of 30 = 2, 3, 5, 6,10,15, 30
7. Example, (1 dozen=12 and 1score = 20 take hint from this and solve the numerical)
8. Prime factors are also prime numbers by which the number given is exactly divisible by the factors, Example, find the prime factors of 36



So the prime factors of 36 are 2 , 3 and in this way you can find the prime factors of other numbers.

Following the above method, you can solve question numbers 8 to 20.