

MATH 5: HANDOUT 1
REVIEW I

Each homework has problems of varying difficulty. It is not expected that you can do all of them, so do not worry if some problems seem difficult and you cannot solve them. Please, try and show your way of thinking. Make sure to show your work, not just an answer. If you have questions regarding homework problems or material, please, email me at stepanenko@schoolnova.org.

Please, write homework on a **separate quadrille piece** of paper.

THIS WEEK WE REVIEWED FOLLOWING TOPICS IN THE CLASS

- Factors(divisors), multiples.
- Prime numbers. Prime factorization. Factor tree

THIS TOPIC WE HAVEN'T REVIEWED YET, CHALLENGE YOURSELF AND REFRESH YOUR MATH SKILLS

- Fractions

PROBLEMS

1. List all the factors of the following numbers:
 - (a) 28
 - (b) 42
 - (c) 60
2. List the first ten multiples of the following numbers:
 - (a) 9
 - (b) 6
3. If it is 7am now, what time of the day will it be in 27 hours? 127 hours? 11043 hours?
4. List all the factors of (a) 60 and (b) 96.
Then list all the common factors found in your lists for (a) and (b).
5. List first twelve multiples of (a) 12 and (b) 18.
Then list all the common multiples found in your lists for (a) and (b).
6. Express each of the following as a product of prime factors (you might use factor tree):
 - (a) 10
 - (b) 16
 - (c) 48
 - (d) 144
7. Find a prime factorization of the following numbers:
 - (a) 9
 - (b) 21
 - (c) 30
 - (d) 108
8. Mrs. Weatherby baked 175 cookies for a party. The children ate $\frac{4}{7}$ of the cookies. The adults ate 48 cookies. How many cookies were left?
9. There are 4 short stories in the book. The first story is 12 pages long, which is $\frac{2}{3}$ of the second story. The third story is $\frac{5}{6}$ of the length of the first two stories together. How long is the fourth story, if four stories together occupy 64 pages in the book?
10. Find the following sum

$$1 + 2 + 3 + \cdots + 49$$