

The City School

North Nazimabad Boys Campus

E-Worksheet



Teacher Name: Hira Asad

Class: 7

Subject: Mathematics

Date: 19th Nov'16

Topic: Revision (Integers, Rational Numbers and Estimation and Approximation)

1) Evaluate the following:

a. $(-2)^2 - (-2 \times 3) + (2 \times 3^2)$

b. $5 \times (-2)^3 + (-4)^2 \times (-3)$

c. $(-4)^2 \div (-8) + 3 \times (-2)^3$

2) Each month the Lee's family spends $\frac{5}{18}$ of its income on food, $\frac{4}{15}$ on housing loan, $\frac{1}{24}$ on clothes and $\frac{7}{36}$ on transport. If there is \$790 left, calculate the monthly income.

3) Evaluate the following, expressing your answers in the simplest form:

a. $2\frac{17}{27} - \frac{1}{18} + \frac{61}{72} - \frac{1}{54}$



b. $\frac{3}{4} - \left(\frac{2}{3} \times \frac{1}{3} + \frac{1}{9}\right) \div \frac{4}{9}$



4) Estimate each of the following:

a. 496208×312.93

b. $\frac{9.1034 - 7.9902}{(10.0123)^2}$

c. $\frac{45.117 \div 8.97}{4.983 \times 0.002104}$

d. $\frac{3.9897 \times 2.1005}{(0.0199)^3}$

5) Express the following correct to the number of decimal places or significant figures indicated within the brackets:

- a. 0.08567 (3 decimal places) _____
- b. 0.08567 (3 significant figures) _____
- c. 5.096 (3 significant figures) _____
- d. 726900 (2 significant figures) _____
- e. 0.05876 (2 decimal places) _____

