DAWOOD PUBLIC SCHOOL

Summer vacations home work

Mathematics

Class: V

Note:

- Please bring this complete homework with you on the first day of your arrival to school after vacations.
- Test of chapters and **Fractions, Decimals, Angles And Algebra (four operations + Removal of brackets)** will be taken in the month of August.
- ENJOY YOUR HOLIDAYS! ☺

Q.1 Find the L C M of the following numbers using prime factorization.

i) 135 , 175 , 75 (ii) 252 , 99 , 108

Q.2 What number is missing?

i) I multiply ☐ by 5 and then subtract 48. The answer is 212.

ii) ☐ is multiplied by 12 and 39 is added. The answer is 495?

iii) I add 316 to ☐ and then divide by 7. The answer is 123.

iv) ☐ is divided by 10 and 418 is subtracted. The answer is 572.

Q.3 Solve these fractions:

i) $\frac{1}{6}$ Of 120 (ii) $\frac{4}{8}$ of 30 (iii) $2\frac{1}{3} - \frac{5}{9}$

iv) $8\frac{9}{10} + 7\frac{7}{8}$

Q.3 Find the missing number.

i) (45 ÷ _____) – 6 = 3.

ii) (8 × 5) + _____ = 100.

iii) _____ × 16 = 80.

iv) 615 ÷ _____ =205.

v) (50 - _____) × 4 = 120.

Q.4 Round off to nearest Rs. 100 and Rs. 1000.

i) Rs. 2079 (ii) Rs. 8351 (iii) Rs.1,976,285 (iv) Rs. 86503 (v) Rs. 149,680

Q.5 Solve these word problems:

1. Three consecutive numbers have a total of 681 when added together. What are the 3 numbers?
2. Mr. Meal bought 4 items from the supermarket. They cost $ 2.40, $ 3.99 $ 7.60 and $ 3.13. Approximately how much did he spend?
3. Four girls are given an equal share of $ 56.28. Seven boys are given an equal share of $98.98. Dose each girl receive more or less money than each boy?
4. Raymond had $900 He spend 20 % of it on Radio, 45% of it on a watch and the rest on Camera.
   a) What percentage of the money was spent on camera?
   b) How much money was spent on the camera?
5. Simon's house is 3 km from the library. He took an average of 9 ½ minutes to walk 1 km. How long did he take to walk from his house to the library? Give your answer in minutes and seconds.
6. What is the area of a rectangular tile with a length of 12 cm and breadth of 7 cm?
7. A page of a book has perimeter of 86 cm and a length of 25 cm. What is its area?

Q.6 Write as percentage then change into decimal.

i) $\frac{3}{10}$ (ii) $\frac{3}{4}$ (iii) $\frac{1}{5}$ (iv) $\frac{11}{100}$ (v) $\frac{1}{2}$

Q.7 Using DMAS rule to solve these:

i) $3\frac{1}{2} + 5\frac{5}{6} - 1\frac{1}{4}$.

ii) $18 - \frac{2}{3} \div 4$

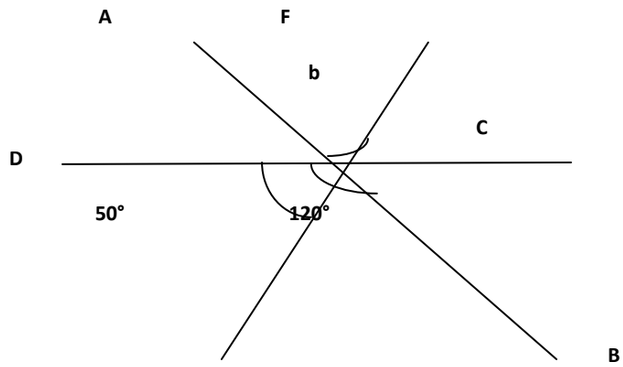
iii) $(3\frac{1}{6} - 1\frac{1}{4}) \times 2$

iv) $(1\frac{1}{4} + 2\frac{2}{3}) \times (3\frac{1}{3} + 2\frac{1}{2})$

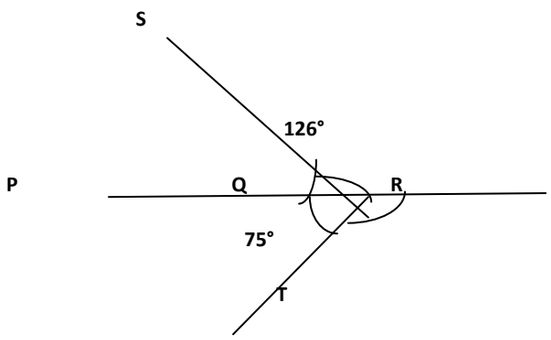
v) $6.8 \times 0.14 + 14.63$

vi) $8.56 \div 0.08 + 2.4 - 1.72$

Q.8 Find the unknown angles in the following figures:



ii)



Q.9 Simplify the following

a) $14r + 5s - 3r - 2r - s$ b) $8p^2 \times 4q^3$ c) $8c + c + 4d + 5d$ d) $12xy^2 \div 8xy^2$]

e) $7e - 4e - e$ f) $5a - 2(2a + b)$ g) $(2p + q) - (p + q)$ h) $2f + 3(f - 5)$

i) $7(2x + z) + 5(3z - 2x)$ j) $5a - 2(2a + b)$