

1076 NADI SANGAM SCHOOL

YEAR 7

MATH

WORKSHEET 2 - SOLUTION

1. There are 30 children in Year 702 at Nadi Sangam School.

- 60% are girls.
- 80% cannot swim.
- 30% come to school by bus.
- 67% play soccer.

a) How many girls are in this class? $\frac{60}{100} \times 30 = 18$ girls

b) How many children can swim? $100\% - 80\% = 20\% \therefore \frac{20}{100} \times 30 = 6$ children

c) How many children come to school by bus? $\frac{30}{100} \times 30 = 9$ children

d) How many children play soccer? $\frac{67}{100} \times 30 = 20$ children

2. Highest Common Factors:

i) Find the HCF of 6 and 8.

ii) Find the HCF of 15 and 20.

a) factors of 6 = 1,2,3,6.

a) factors of 15 = 1,3,5,15.

b) factors of 8 = 1,2,4,8

b) factors of 20 = 1,2,4,5,10,20.

c) common factors = 1,2.

c) common factors = 1,5.

d) HCF = 2

d) HCF = 5

3. Two step equation word problems:

a) The sum of three consecutive numbers is 198. What is the smallest of the three numbers?

Answer : $198 \div 3 = 66$ $66-1=65$, 66 , $66 + 1=67$ 65 is the smallest number

b) Ratish had \$179 to spend on 11 books. After buying them he had \$3. How much did

each book cost? **Answer: $\$179 - \$3 = \$176$ $\$176 \div 11 = \16**

c) Karishma bought a bottle of juice for \$3.50 and 5 packets of potato chips. She spent a

total of \$12.25. How much did each packet of potato chips cost?

Answer : $\$12.25 - \$3.50 = \$8.75$ $\$8.75 \div 5 = \1.75