



EMIRATES ENGLISH SPEAKING SCHOOL, DUBAI

GRADE :VIII
SUB :MATHEMATICS

REMEDIAL WORKSHEET

NO.OF.PAGES: 3

NAME: _____ SECTION : _____ ROLL _____

1. Topic : Greatest Common Factor (HCF)

Find the HCF of the following numbers

- a) 25, 45 b) 60, 80 c) 21, 34 d) 16, 56
e) 144, 198 f) 225, 720 g) 480, 120 h) 225, 450
i) 18, 45, 72 j) 112, 140, 168

2. Topic : Least Common Multiple (LCM)

Find the LCM of the following numbers

- a) 27, 90 b) 30, 45 c) 30, 45 d) 50, 25, 75
e) 24, 36, 72 f) 60, 14, 25 g) 18, 60, 72 h) 48, 60, 80
i) 240, 420, 660 j) 144, 180, 384

3. Topic : Prime Factorisation

Determine the Prime factorisation of each of the following numbers

- a) 216 b) 169 c) 840 d) 150 e) 540
f) 945 g) 945 h) 136 i) 1024 j) 4335

4. Topic : BODMAS RULE

- a) $20 - 8 \div 2 \times 3$ b) $6 \times 2 + 9 - 2$ c) $17 \times 2 + \overline{18 \div 2}$ of 4
d) $5 \times 2 \div 10 + 7$ e) $\{18 \div 9(4 - 2) + 5\}$
f) $36 \div 3 + 4 \times 3 - 4$ g) $\{6 + 5(4 + 3) - 3$ h) $(24 - 12) \div (6 - 3)$
i) $89 + \{72 + 64 - \overline{532 \div 38}\}$ j) $97 - [91 - \{70 - 4(13 - 7 \div 2 + 6)\}]$

5. Topic : Divisibility Rules for Simplification

a) Check the divisibility of the following numbers by 2,4,8, 5 and 10.Put a (✓) for divisible and (×) for not divisible.

Number	2	4	8	5	10
(a) 128					
(b) 572					
(c) 990					
(d) 1586					
(e) 6732					
(f) 5438					
(g) 8360					
(h) 5335					
(i) 8313					
(j) 4326					

b) Check the divisibility of the following numbers by 2,4,8, 5 and 10.Put a (✓) for divisible and (×) for not divisible.

Number	3	9	11
(a) 1258			
(b) 5335			
(c) 21084			
(d) 4536			
(e) 5438			
(f) 71232			
(g) 901351			
(h) 10824			
(i) 438750			
(j) 68769			

6. Use Cancellation method to simplify each of the following

a) $\frac{2448}{48}$

b) $\frac{36}{1044}$

c) $\frac{525}{35}$

d) $\frac{832}{16}$

e) $\frac{126}{18}$

f) $\frac{72}{18}$

7. Topic : Operations on Integers

Simplify the following

a) $55 + (-225)$

b) $(-625) + 436$

c) $(-43) + (-99)$

d) $(-120) + (-125) + 420$

e) $8 \times (-12)$

f) $(-9) \times (-5)$

g) $8 \times (-5) \times (-4)$

h) $10 \times (-6) \times (-3) \times (-1)$

i) $(-3) \times (-9) \times (-7) \times (-4)$

j) $(-625) \div 25$

k) $(-16) \div (-2)$

l) $(-2744) \div (-14)$

m) $(-12) \times 4 - (-5)$

n) $-14 - 5 - 4$

o) $25 + (-23) - 5$

8. Topic : Operations on Fractions

Simplify the following

a) $\frac{4}{11} + \frac{5}{13} + \frac{3}{11}$

b) $\frac{2}{7} + \frac{3}{7} + \frac{7}{10}$

c) $\frac{12}{13} + \frac{11}{26}$

d) $\frac{5}{12} - \frac{3}{6}$

e) $\frac{1}{4} - \frac{2}{3} + \frac{1}{6}$

f) $\frac{5}{8} - \frac{3}{4} + \frac{2}{6}$

g) $\frac{3}{8} - \frac{4}{7}$

h) $7\frac{3}{4} - 2\frac{1}{2}$

i) $5\frac{3}{5} - 2\frac{1}{3}$

j) $2\frac{1}{3} + 1\frac{1}{5} - 3\frac{3}{4}$

k) $\frac{25}{35} \times \frac{7}{5}$

l) $\frac{81}{56} \times \frac{12}{9}$

m) $\frac{125}{36} \times \frac{42}{15} \times \frac{6}{25}$

n) $\frac{65}{15} \div \frac{3}{125}$

o) $\frac{12}{85} \div \frac{14}{25} \div \frac{8}{100}$

p) $\frac{72}{46} \div \frac{12}{32}$

9. Topic : Operations on Decimals

Simplify the following

a) $85.1 + 7.06 - 38.9$

b) $79.5 + 2.3 - 35.99$

c) $53.64 - 8.792 + 32.54$

d) $8.1 - 2.43 + 78.65$

e) $41.945 - 1.294 + 33.98$

f) $9.4 + 18.011 - 12.97$

g) $64.173 + 40.07 - 56.99$

h) $2.006 + 37.2 - 4.36$

Note : Recall Multiplication Tables from 2 to 15.

HAPPY VACATION, BE BLESSED