Name : Chapter Based Worksheet

**Chapter: Playing with Numbers** 

Grade: CBSE Grade VI

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(i) 5337 (ii) 5335 (iii) 5336 (iv) 5333 (v) 5334

#### 2. Find the LCM of {9,18}

(i) 17 (ii) 21 (iii) 16 (iv) 18 (v) 19

### 3. The multiples of 20 =

- $\hspace*{1.5cm} \text{(i)} \hspace*{0.2cm} \{20,\!40,\!60,\!80,\!100,\!120,\!79,\!121\} \hspace*{0.2cm} \text{(ii)} \hspace*{0.2cm} \{20,\!40,\!60,\!80,\!100,\!120,\!79\} \hspace*{0.2cm} \text{(iii)} \hspace*{0.2cm} \{20,\!40,\!60,\!80,\!100,\!120,\!79\} \\$
- (iv)  $\{20,40,60,80,100,120\}$  (v)  $\{40,60,100,120,19,79\}$

#### 4. Which of the following numbers is divisible by 5?

(i) 7,240 (ii) 7,238 (iii) 7,239 (iv) 7,242 (v) 7,241

#### 5. Which of the following numbers is divisible by 11?

(i) 6237 (ii) 6239 (iii) 6236 (iv) 6235 (v) 6238

#### 6. Which of the following numbers is divisible by 4?

(i) 8,746 (ii) 8,748 (iii) 8,749 (iv) 8,750 (v) 8,747

#### 7. Find the product of LCM and HCF of {4,6}

(i) 25 (ii) 24 (iii) 23 (iv) 22 (v) 27

#### 8. Which of the following numbers is divisible by 10?

(i) 1168 (ii) 1170 (iii) 1172 (iv) 1171 (v) 1169

# 9. Find the co-primes in the following

(i) {132,136} (ii) {3,11} (iii) {9,33} (iv) {6,22} (v) {165,170}

#### 10. The common multiples of 9, 8 and 6 =

(i) {72,144,216} (ii) {72,216,31} (iii) {72,216,350} (iv) {144,216,127} (v) {72,144,233}

# 11. Which of the following numbers is divisible by 5?

(i) 5,962 (ii) 5,959 (iii) 5,961 (iv) 5,958 (v) 5,960

### 12. Which of the following numbers is divisible by 9?

(i) 7,984 (ii) 7,981 (iii) 7,982 (iv) 7,983 (v) 7,985

## 13. Which of the following numbers is divisible by 7?

(i) 4083 (ii) 4082 (iii) 4079 (iv) 4080 (v) 4081

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14. Find the prime factorization of 78
     (i) 2 \times 3 \times 11 (ii) 1 \times 3 \times 13 (iii) 2^2 \times 3 \times 13 (iv) 2 \times 3 \times 13 (v) 2 \times 5 \times 13
15. Which of the following numbers is divisible by 8?
     (i) 7658 (ii) 7655 (iii) 7656 (iv) 7657 (v) 7654
16. Which of the following numbers is divisible by 10?
     (i) 2,411 (ii) 2,410 (iii) 2,412 (iv) 2,408 (v) 2,409
17. Find the number of prime factors of 49
     (i) 1 (ii) 4 (iii) 3 (iv) 0 (v) 2
18. Find all common factors of 5 and 31
     (i) {1,31} (ii) {1} (iii) {5} (iv) {1,5} (v) {31}
19. Find the LCM of {135,45}
     (i) 135 (ii) 138 (iii) 136 (iv) 133 (v) 134
20. Find the HCF of {1840,520,1200,1080}
     (i) 38 (ii) 43 (iii) 39 (iv) 40 (v) 41
21. Which of the following numbers is divisible by 6?
     (i) 9818 (ii) 9817 (iii) 9814 (iv) 9815 (v) 9816
22. Which of the following numbers is divisible by 9?
     (i) 6453 (ii) 6452 (iii) 6451 (iv) 6455 (v) 6454
23. Find the total number of factors of 2304
     (i) 29 (ii) 24 (iii) 27 (iv) 26 (v) 28
24. Find the LCM of {320,300}
     (i) 4801 (ii) 4802 (iii) 4800 (iv) 4798 (v) 4799
25. The multiples of 8 =
      \hbox{ (i) } \{8,16,32,40,48,47\} \hbox{ (ii) } \{8,16,24,32,40,48,47\} \hbox{ (iii) } \{8,16,24,32,40,48,33,17\} \hbox{ (iv) } \{24,32,40,48,39,9\} \\
     (v) {8,16,24,32,40,48}
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		Δ	ssignment Key	,	
1) (ii)	2) (iv)	3) (iv)	4) (i)	5) (i)	6) (ii)
7) (ii)	8) (ii)	9) (ii)	10) (i)	11) (v)	12) (iv)
13) (v)	14) (iv)	15) (iii)	16) (ii)	17) (i)	18) (ii)
19) (i)	20) (iv)	21) (v)	22) (i)	23) (iii)	24) (iii)
25) (v)					

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