MATH   Grade 5

Q1: Complete following table of comparison of Factors and Multiples:

Basis for the comparison	Factors	Multiples
Meaning	Factor refers to an exact _____ of the given number.	Multiple refers to the _____ we get, when we multiply a given number by another number.
What is it?	It is a _____ number that can be multiplied by another number to get a _____.	It is a product obtained after _____ the number by an integer.
Number of factors /multiples		
Operation used		

Q2: Fill in the blanks.

1.   A number multiplied by itself twice is called a _____ number.

2.   _____ are the whole numbers that we multiply together to get another number.

3.   Factors and multiples are different things but they both involve _____.

4.   Factors are what we can _____ to get the number and multiples are what we get after _____ the number by an integer.

5.   When a number divides another number _____ (Without leaving a remainder) it is called the factor of that number.

6.   Division is _____ of multiplication.

Q3: Find the divisibility of the numbers in following table.

Number	Divisible by 2	Divisible by 5	Divisible by 10
45			
70			
62			
115			
276			
550			
1195			
444			
900			
645			

Q4: Divisibility rules.

A number is divisible by	
2	Last digit should be _____ (0,2,4,6,8)
3	If the sum of the digits is divisible by _____.
4	Last digits of a number are divisible by _____ all if the last 2 digits are 00.
5	Last did it should be either ___ or ____.
6	If the number is divisible by____ and _____ both.
9	If the sum of digits is divisible by _____.
10	Last digit should be _____only.
25	Last 2 digits should be either 25, ____, 75, ____.
50	Last digit should be either ____ or ____.
100	Last 2 digits should be _____ only.

Q5: Which of these numbers are divisible by 5? Circle them all.

91   45   70   111   55   239

332   765   330   700
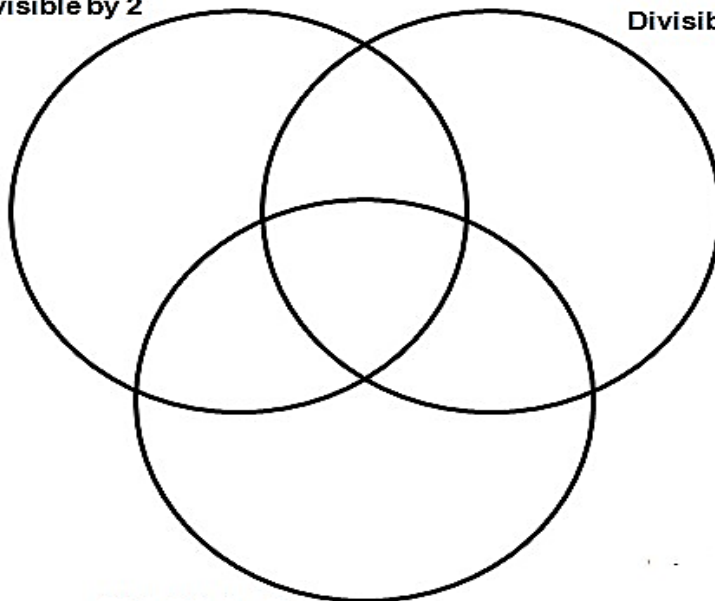
Q6: Which of these numbers are divisible by 100? Circle them all.

490   600   560   2400   8550

5000   320   550   7500

Q7: Write the numbers in correct places in the Venn diagram.
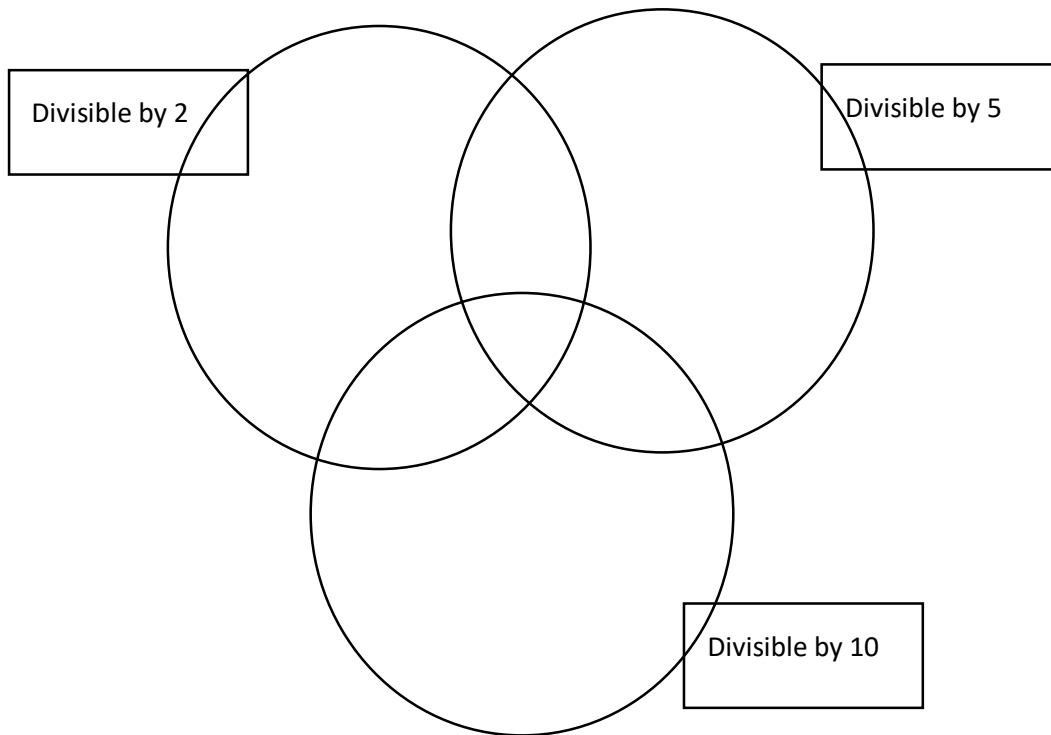
Divisible by 2

Divisible by 3

Divisible by 5

14	75	12
24	98	125
25	110	30
45	150	100
51	342	256
65	360	123
70	831	225

Q8: Write the numbers in correct places in Venn diagram.

8   668   11   725   5   9

23   930   2465

Divisible by 2

Divisible by 5

Divisible by 10

Explain why there are no numbers in the region that represents numbers divisible by 10 only.

_____

_____

Q9: Complete the following table.

28	12	6	49	40	21	16	80	14	70	45
30	8	36	81	24	64	48	9	18	60
56	35	42	72	7	32	27	63	54

Multiples of	80 or less but greater than 59	40 or less but greater than 19	60 or less but greater than 39	100 or less but greater than 79	20 or less
6					
7					
8					
9					

Q10: Find all of the factors for each number. List them in order from least to greatest.

a. **15** - _____, _____, _____, _____

b. **25** - _____, _____, _____

c. **27** - _____, _____, _____, _____

d. **18** - _____, _____, _____, _____, _____, _____

Q11: Write a multiplication fact and division fact for each multiple of 7:

	Multiplication Fact	Division fact
49		
35		
63		

Q12: For each problem find the missing factor:

a) _____ $\times 3 = 27$

b) $5 \times$ _____ $= 30$

c) _____ $\times 7 = 56$

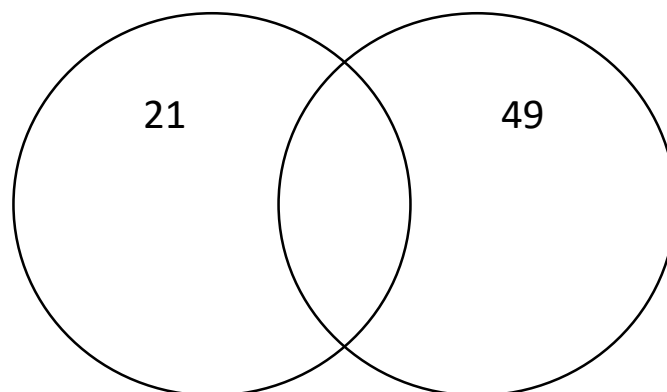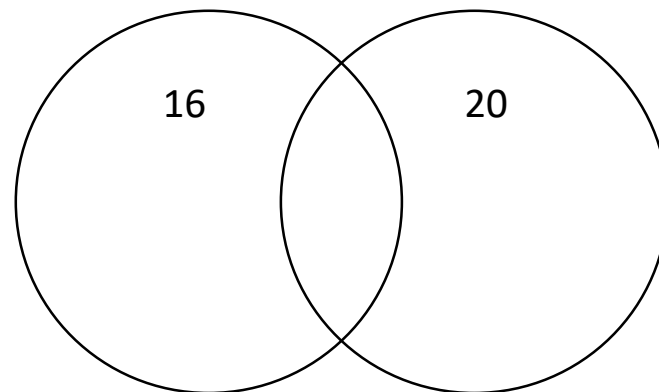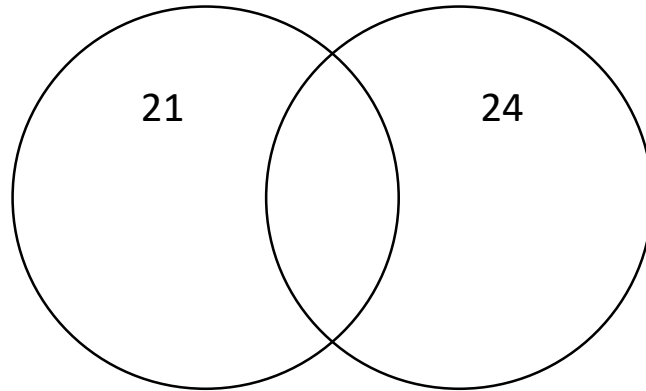d) _____ $\times 2 = 18$

e) $9 \times$ _____ $= 54$

f) $7 \times$ _____ $= 63$

g) $8 \times$ _____ $= 40$

h) _____ $\times 6 = 36$

i) _____ $\times 6 = 48$

j) _____ $\times 9 = 45$

Q13: Write the factors of the numbers in the wind diagram. Write the factors shared by both numbers in the overlapping space.

21   24

16   20

21   49

Q14: Write all the factor pairs of for each number:

20

| 1 | 2 | ☐ | ☐ | ☐ | ☐ |

45

| ☐ | 3 | ☐ | ☐ | ☐ | 45 |

18

| 1 | 2 | ☐ | ☐ | ☐ | 18 |

81

| ☐ | 3 | ☐ | ☐ | ☐ |

27

| ☐ | ☐ | ☐ | ☐ |

50

| ☐ | 2 | ☐ | ☐ | ☐ | 50 |

32

| ☐ | ☐ | ☐ | 8 | ☐ | ☐ |

15

| ☐ | ☐ | ☐ | ☐ |