Grade 5 Maths Be My Multiple, I'll be Your Factor Worksheets

1. Fill in the blanks:
(a) In a statement, 7 × 5 = 35.7 and 5 are …… of the ……. .
(b) …….. is a factor of every number.
(c) Every number is a multiple of ……. .
(d) ……. is neither prime nor composite.
(e) The only even prime number is …….. .
(f) Numbers which are divisible by 2 are called ……. numbers.
(g) Numbers which have only two factors are called numbers.
(h) Numbers which have more than two factors are called …….. numbers.
(i) The next five multiples are 2, 4, 6, 8, ……. , …… , ……. , …… , ……. .
(j) The next five multiples of 4 are …….. , …….. , …… , …….. , …… , …….. .
(k) The factors of 12 are 1, 2, 3, 4, 6 and X. What is X? X = ……. .
(l) The factors of 15 are 1, 3, 5 and X. What is X? X = …… .

2. Find the first 5 multiples of each of the following pairs of numbers. Then list the common multiples.
(a) 2, 5
Multiples of 2 = ……..
Multiples of 5 = ……
Common multiples = ……..
(b) 2, 3
Multiples of 2 = ……
Multiples of 3 = ……
Common multiples = ……..
(c) 2, 6
Multiples of 2 = ……
Multiples of 6 = ……
Common multiples = ……..
(d) 5, 10
Multiples of 5 = ……
Multiples of 10 = ……
Common multiples = ……..

3. Find the common factors and the HCF (Highest Common Factor)
(a) 8, 16
Factors of 8 = …….
Factors of 16 = ……

Common factors = ……
HCF = …….
(b) 5, 15
Factorsof 5 = ……..
Factors of 15 = ……..
Common factors = ……
HCF = ……..

4. Find the prime factors by constructing factor trees.
(a) 32
(b) 45
(c) 63
(d) 28

5. Find the multiples, common multiples, and the LCM.

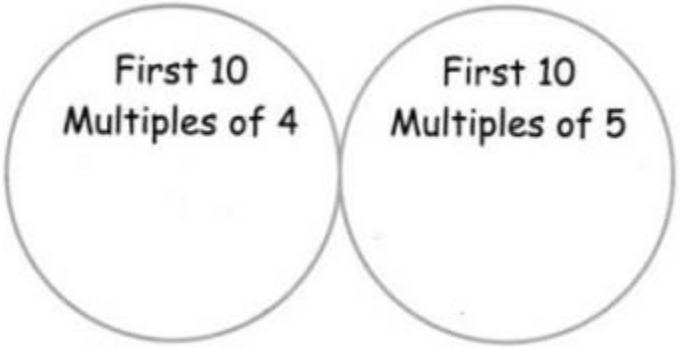
Numbers	First 6 multiples	Common multiples	LCM
3 4	3, 6, 9, 12, 15, 18 4, 8, 12, 16, 20, 24		
6 9			
4 8			
3 6			

6. Colour all the prime numbers in red. (1 to 50)

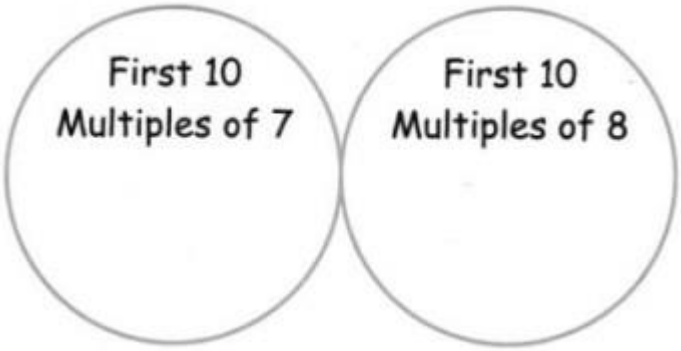
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

7. (a) Write all the prime numbers from 71 to 100.
(b) Write all the composite numbers from 81 to 100.

8. Write the common multiples of:
(a) 4, 5



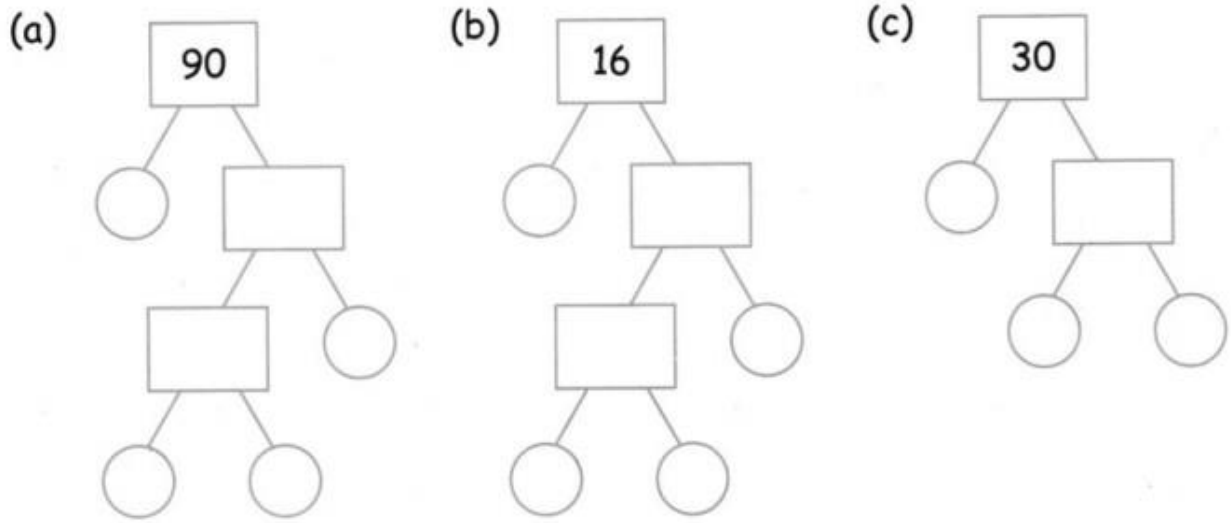
Common factors = ……
(b) 7, 8



Common factors = ……

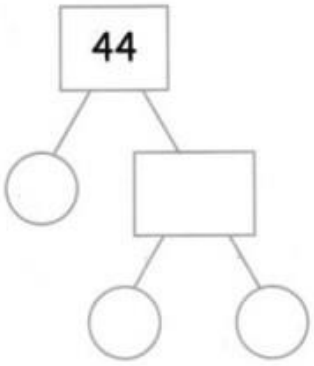
9. Find the LCM of the following numbers:
(a) 2, 3, 4
(b) 10, 15, 20
(c) 3, 4, 5
(d) 5, 6, 7

10. Find the prime factors of the numbers.



(a) Prime Factors _×_×_×_ = 90
(b) Prime Factors _×_×_×_ = 16
(c) Prime Factors _×_×_ = 30

(d)



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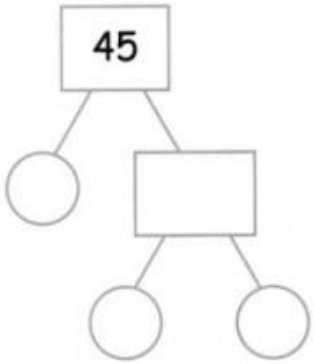

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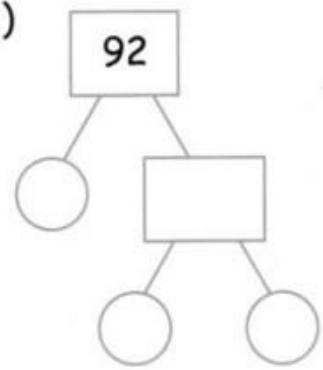
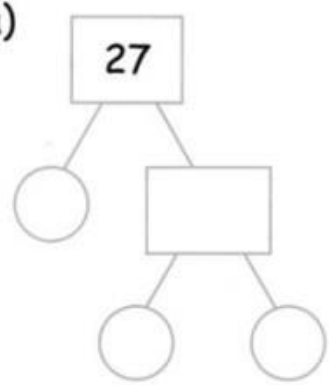


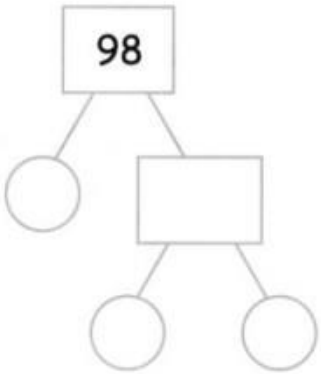
(a) Prime Factors _×_×_×_ = 44
(b) Prime Factors _×_×_×_ = 45
(c) Prime Factors _×_×_ = 92

11. Find the prime factors of the numbers.

(a)



(b)



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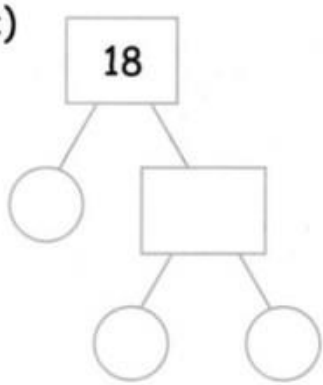
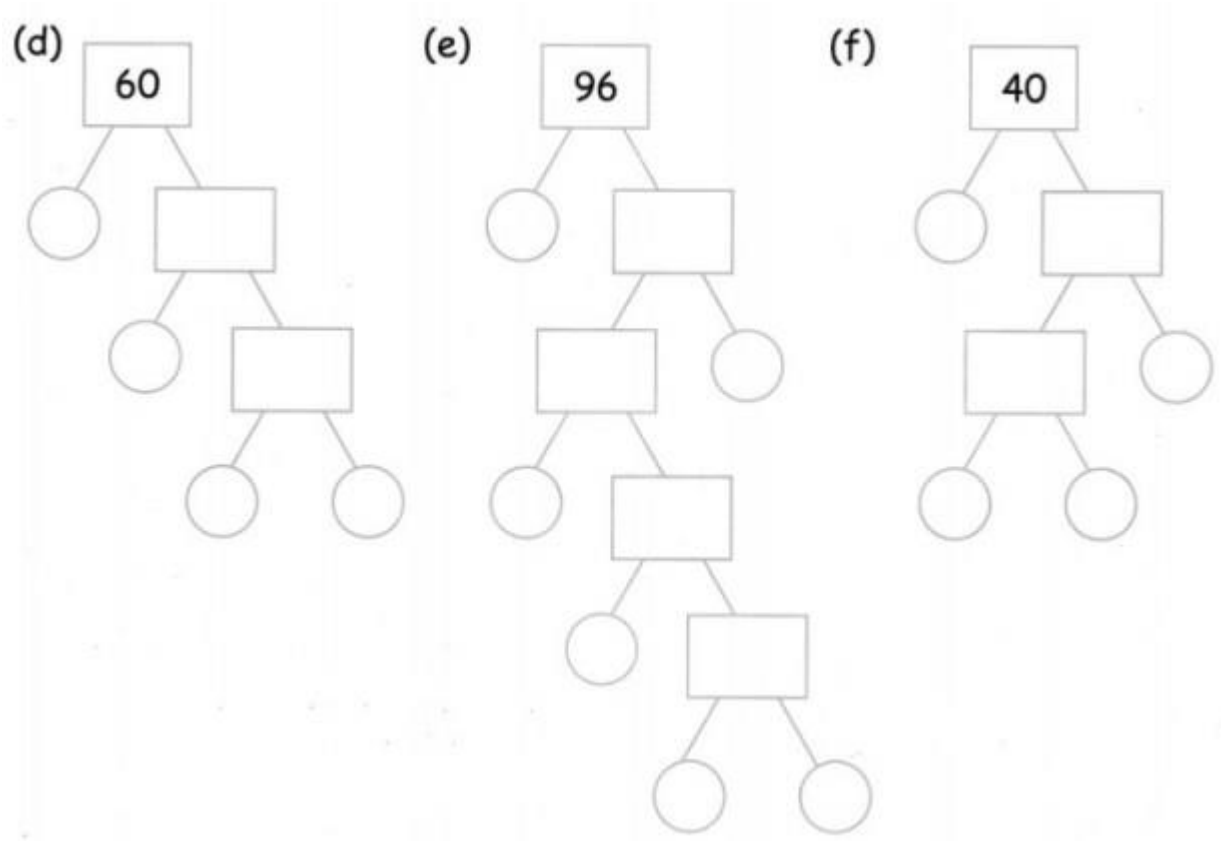


(a) Prime Factors _×_×_ = 27
(b) Prime Factors _×_×_ = 98
(c) Prime Factors _×_×_ = 18



(a) Prime Factors _×_×_×_ = 60
(b) Prime Factors _×_×_×_ = 96
(c) Prime Factors _×_×_×_= 40

12. Do as directed.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

(a) Shade out 1.
(b) Shade all even numbers higher than two.
(c) Shade out multiples of 5, except 5 itself.
(d) Shade out multiples of 7, except 7 itself.
(e) The numbers which are left at the end are ……
They are:

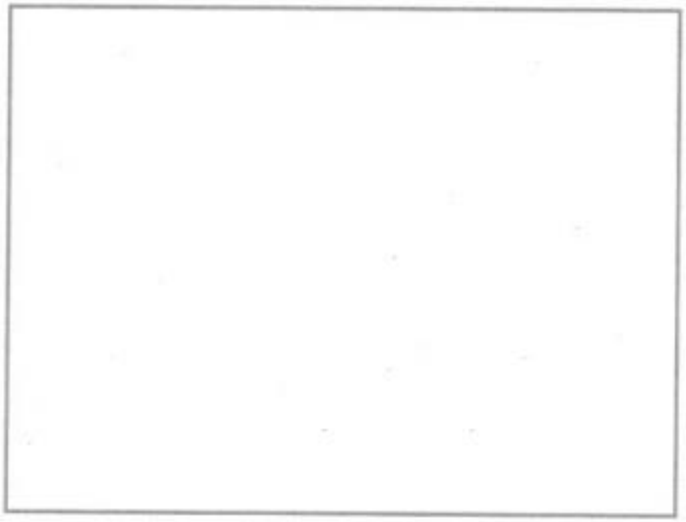
13. Find out the common factors of the following numbers.
(a) 16,48

(b) 10, 15, 35

(c) 36, 45

(d) 12, 120

14. Write the common multiple of the following numbers.
(a) 16, 42, 24



(b) 60, 36