

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

1. Fill in the blanks:

- (a) In a statement, $7 \times 5 = 35$ 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? $X = \dots\dots\dots$
- (l) The factors of 15 are 1, 3, 5 and X. What is X? $X = \dots\dots\dots$

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)

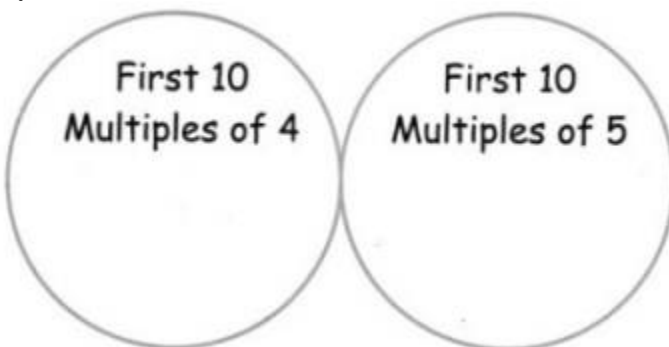
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

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

(b) Write all the composite numbers from 81 to 100.

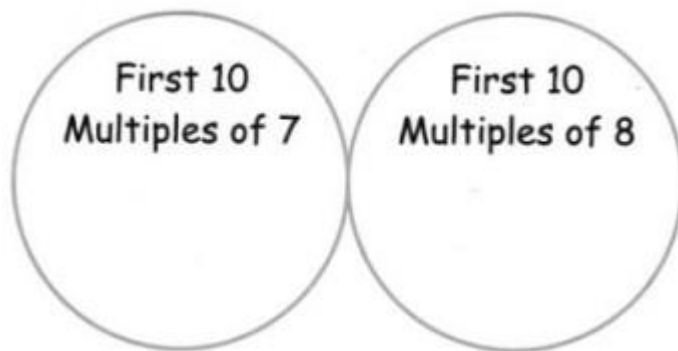
8. Write the common multiples of:

(a) 4, 5



Common factors =

(b) 7, 8



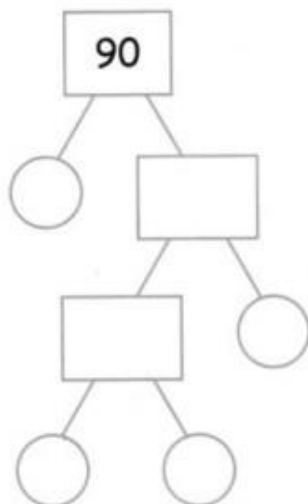
Common factors =

9. Find the LCM of the following numbers:

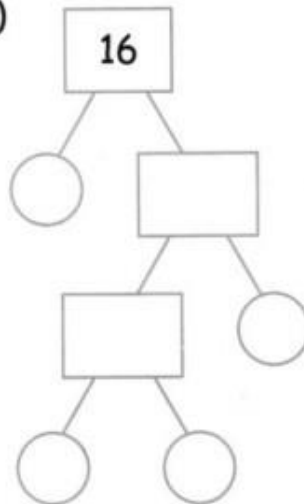
- (a) 2, 3, 4
- (b) 10, 15, 20
- (c) 3, 4, 5
- (d) 5, 6, 7

10. Find the prime factors of the numbers.

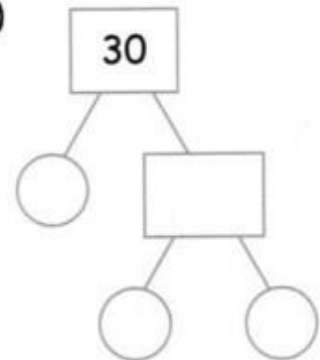
(a)



(b)



(c)

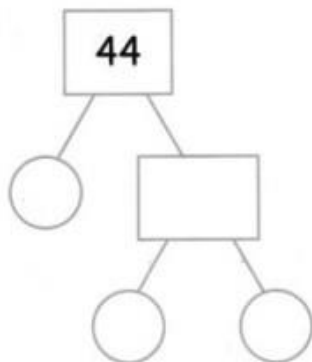


(a) Prime Factors $_ \times _ \times _ = 90$

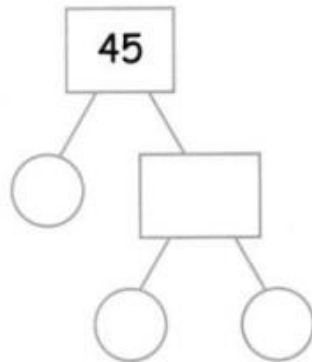
(b) Prime Factors $_ \times _ \times _ = 16$

(c) Prime Factors $_ \times _ = 30$

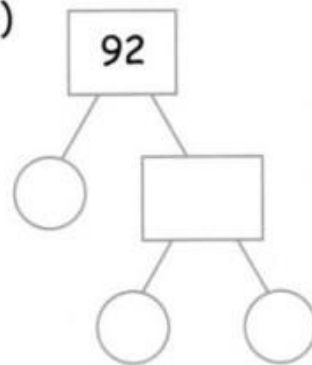
(d)



(e)



(f)



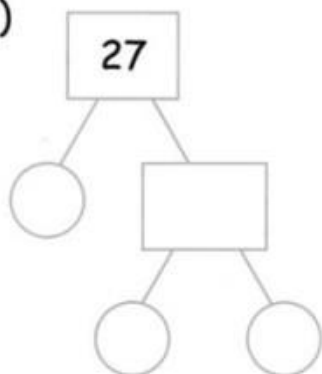
(a) Prime Factors $_ \times _ \times _ = 44$

(b) Prime Factors $_ \times _ \times _ = 45$

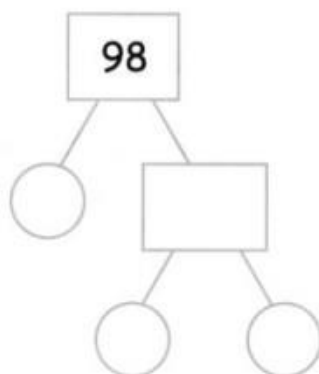
(c) Prime Factors $_ \times _ = 92$

11. Find the prime factors of the numbers.

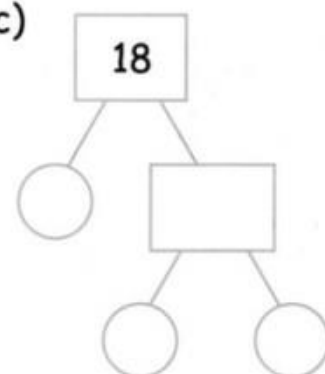
(a)



(b)



(c)

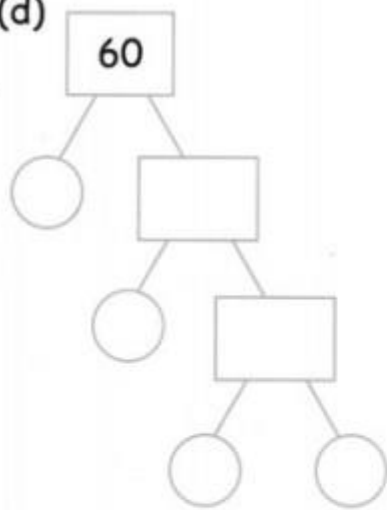


(a) Prime Factors $_ \times _ = 27$

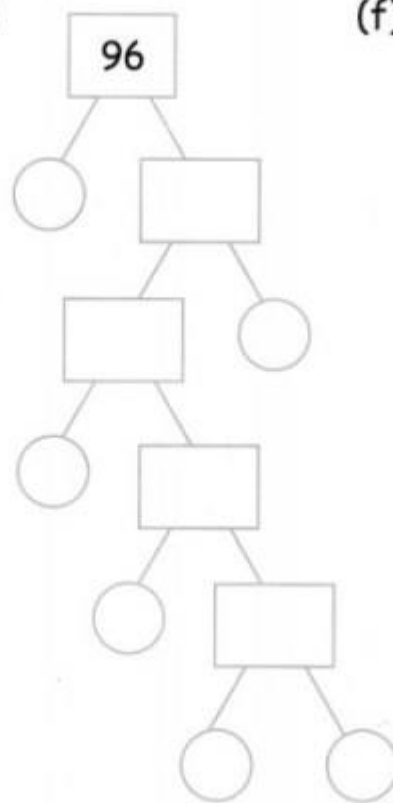
(b) Prime Factors $_ \times _ = 98$

(c) Prime Factors $_ \times _ = 18$

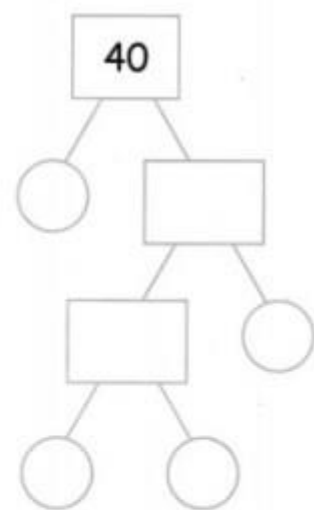
(d)



(e)



(f)



(a) Prime Factors $_ \times _ \times _ \times _ = 60$

(b) Prime Factors $_ \times _ \times _ \times _ = 96$

(c) Prime Factors $_ \times _ \times _ \times _ = 40$

12. Do as directed.

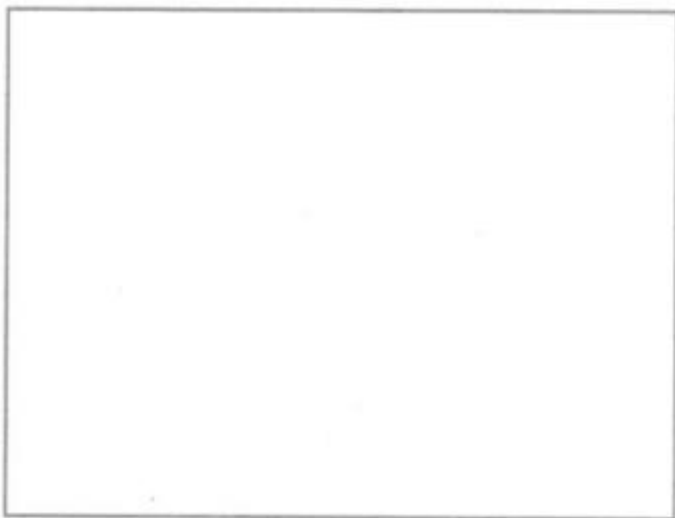
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- (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:

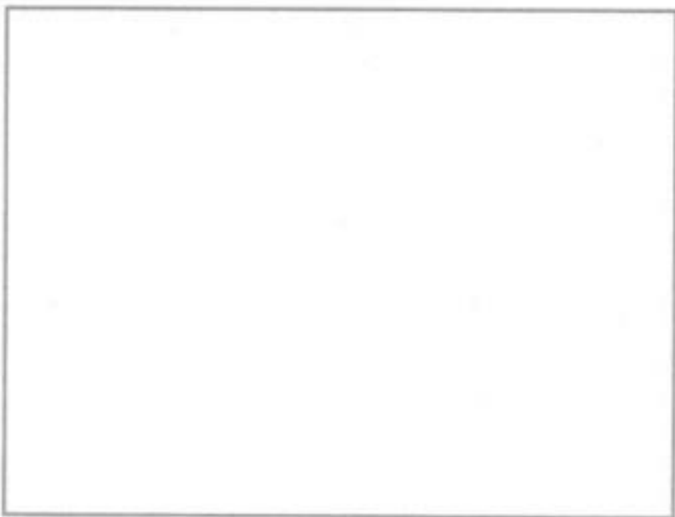
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13. Find out the common factors of the following numbers.

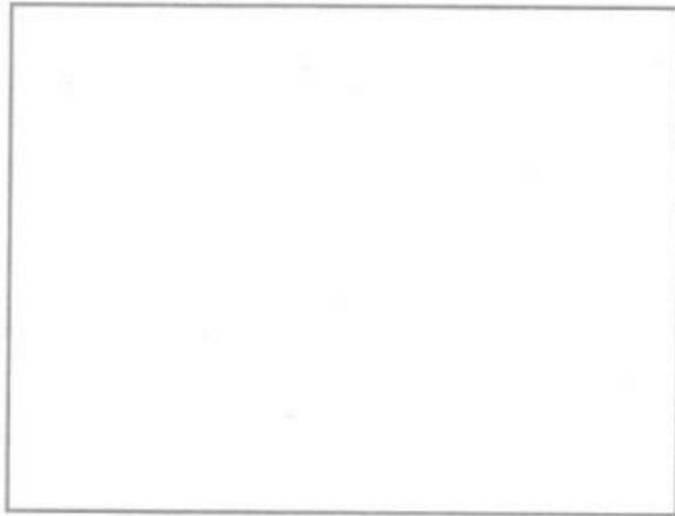
- (a) 16,48



(b) 10, 15, 35



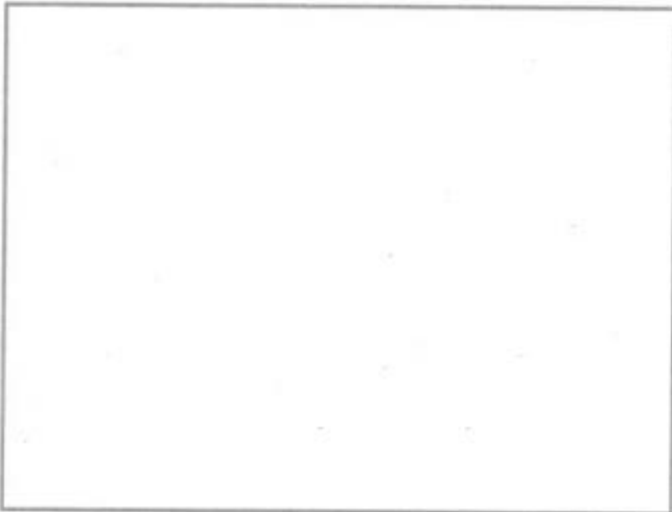
(c) 36, 45



(d) 12, 120



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



(b) 60, 36

