Answer Key

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Maths Worksheet 2024-25

" Marie "	Wattis Worksheet 2024-25	2,-
Name : -		Std. : - IV
Roll No. :-	Worksheet No. Term-1:01	Date : -

Ch5: Factors &	Multiples	Ch-14	Patterns
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h5:	Factors & Multiples Ch-14	Patterns		Maria de la	
)-1 C	hoose the correct options.			er the ere	
1)	The counting numbers are called	ed natur	alnumbers.	,61- 8 nr	
	a) prime b) natura		c) Composite	d) none of these	
2)	1 is least factor of every				
2)	a) 0 b) 2		Let	d) 3	
3)	Factors of 12 are 1, 2, 3, 4, (a) 1.3,5 and 12		c) 1.3,7 and 12	d) none of these	
4)	Patterny are shapes, d				
	manner.		TEAL TOK	001-	, a production
	a) multiplication b) patter	ns	c) addition	d) none of these	
5)		-		Jose 1923 June 1	
	This is a growing patt		(SEE SY	Horaltople is	1:13
2 E:	a) shrinking (b) multip	plication	c) division	vd) growing	
	A growing pattern happens who				
2)	A multiple of a number	er is a produc	ct of the given nur	nber and some other co	ounting number.
	The numbers which are multiple				
4)	A Shrinking pattern hap	ppens when s	something is taker	n away (subtracted/divi	ided) each time.
5)	The numbers which are divisib	le by 10 are	also divisible by _	5.60016	
)-3 W	rite T for true and F for false.	6	1	/ \	
1)(All numbers divisible by 2 and	3 both are d	ivisible by 6.	65 10	T
2)	All odd numbers are divisible b	y 3.00			F
3)	We can have growing patterns	with pictures	s, objects, shapes a	and numbers too.	T
4)	There are infinite number of m	ultiples of ev	ery number.		T
	The factors of 11 are 1, 3, 5 and				A OO F
-4 N	latch the following.				
	1) 126	a) Factors	of 8	621	1)- 6
	2) 1, 3, 9, 27, 81	b) Divisib	le by 9	62	2) - e
	3) 250	c) Rule is	divide by 2 each t	ime	3) - d
	4) 1. 2, 4 and 8	d) Divisib	le by 5		4) - 9
	5) 80, 40, 20, 10, 5	e) Rule is	multiply by 3 eac	h time	5) - C

Q-5 Do as directed.

1) Circle the prime numbers.

4	6		D	7		33		55
	90	19	80		12		31)	45

2) Find all the factors of the following.

a) 40 ·1×40=40
2×20=40
4×10 = 40
5 × 8 =40
Factory of 40 are
1,2,4,5,8,10,20
and 40.

b) 88
$$1 \times 88 = 88$$

 $2 \times 44 = 88$
 $4 \times 22 = 88$
 $8 \times 11 = 88$
Factory of 88 and 1, 2, 4, 8, 11, 22, 44

1×95= 9 5 5×19=95
Factory of 95
ane 1, 5, 19 and
95.

3) Draw the picture that comes next in this reducing pattern.

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4) Find the missing number in the following number patterns. Also write the rule for each pattern.

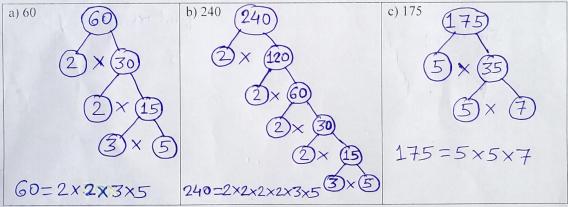
Rule Add 2 and Multiply by 3.
Rule Divide by 5.

b) 50000, 10000, 2000, <u>400</u>, <u>80</u>, <u>16</u>

5) Find the product of the fifth multiple of 3 and eighth multiple of 5. Fifth multiple of $3 = 3 \times 5 = 15$ Eightth multiple of $5 = 8 \times 5 = 40$ Product of 15 and 40 = 600

Q-6 Solve the following.

1) Write the prime factorization of the given numbers by making factor trees.



2) Write the prime factorization of the given numbers by division method.

