Grade: Five	Subject: Mat	hs	Term: 1st	Time: 4	Omins	
Teacher's Name:		Week:	6	Day: 1		
Unit 2: HCF and LCM		Topic name: HCF by Prime Factorization Method				
Student Learning	Outcomes:					
 Find HCF of t method. Solve real-life 	wo and three nu	Imbers u	ıp to 2 digits usi F	ng prime factoriza	ation	
Resource Materia	al·	iving ric				
Chalk/Marker, Wh	nite/Blackboard	, Maths	Textbook			
Warm-up Activiti	es:	,		5min:	S	
Before beginning	the lesson, ask	student	s to say "Tasm	yah".		
Ask students: Do yo	ou know about fa	actors ar	nd multiples? Ta	ke their response	s and	
appreciate them fo	or their correct a	nswers.				
Teaching and Lea	rning Activities	:		20 mi	ins	
 Recall the copage 24 "Le 	oncept of factor t's Recall".	rs and m	nultiples by rea	ding the text giv	en on	
 Tell them He common fac completely v 	CF is abbreviatic ctor of two or vithout leaving a	on of Hig more nu ny rema	ghest common f umbers which o inder.	actor. It is the gro divides those nui	eatest mbers	
Tell them the prime factor	ere are two met ization method a	, hods to and the c	find the HCF of other is division	numbers. One is method.	called	
 Now tell then on page 25. 	m prime factoriza	ation me	thod by explain	ing the example 1	given	
 Tell them we into equal len thoroughly. 	e have to find gre ngth of pieces 16	eatest po cm and	ossible length of 28 cm. Solve it,	wires, that cut the step by step and e	e wire xplain	
Review:				3min:	S	
Recall the lesson b	y telling student	ts about	the steps to fir	d the HCF of the	given	
numbers.						
Evaluation:	<u>.</u>			10mii	ns	
To assess the learn their notebooks an	ing of the studer d find the HCF o	nts, ask t f these r	hem to write tw numbers.	vo 2-digit number	s in	
Homework:				2min:	S	
Solve Q1 (i-iv) of e						

Lesson Plan

	Le	esson	Plan			
Grade: Five	Subject: Mat	hs	Term:	1st	Time:	40mins
Teacher's Name:	Week	: 6		ay: 2		
Unit 2: HCF and LCM Topic: HCF by Prime Factorization Method						
Student Learning	g Outcomes:					
• Find HCF of method.	two and three nu	imbers (up to 2 di	gits using p	rime factor	ization
 Solve real-lif 	e situations invol	lving HC	F.			
Resource Materi	al:					
Chalk/Marker, Whi	te/Blackboard, N	/laths Te	xtbook			
Warm-up Activit	ies:				5m	ins
Before beginning t	he lesson, ask sti	udents t	o say "Ta	smiyah".		
Ask students: How	many methods a	are ther	e to find t	he HCF of t	wo or mor	е
numbers?						
What is meant by I	HCF?					
Take their respons	es and appreciat	e them.				
Teaching and lea	rning Activities:				20	mins
 Have studen 	its open their tex	tbook t	o page 25	6. Write nur	nber 25, 45	5 and 60
given in exar	mple 2 on the bo	ard.				
Call a studer	nt to the front of	the clas	s and ask	him/her to	o find the fa	actors of
25, 45 and 6	0. Then ask then	n to wri	te the pri	me factoriz	ation of 25	, 45 and
60 and find t	the common prin	ne facto	rs.			
		5	25	3 45	5 2	60
		5	5	3 15	5 2	30
			1	5 5	3	15
				1	5	5
					-	1
 Then instruct 	t the whole class	to find	the HCF b	y finding th	e product o	of 25, 45

- and 60. Ask the rest of the class to check their work and correct if needed.
- Roam around the class, check their work.

Review:	3mins
Recall the lesson by telling the students about the clue words that are	used for HCF.
Evaluation:	10mins
To assess the students, ask them to Solve Q1 (v-vi) of Exercise 2.1 in the	ieir
notebook and by prime factorization find their HCF. Roam around the	class, check
their work.	

2mins

Solve 1 (vii – viii) of exercise 2.1 in their notebooks.

Homework:

	L	esson l	Plan		
Grade: Five	Subject: Mat	ths	Term: 1st		Time: 40mins
Teacher's Name:		Week:	6	Day:	3
Unit 2: HCF and L	.CM	Topic: I	HCF by Prime I	Division N	Nethod
Student LearningFind HCF of tSolve real-life	Outcomes: wo and three no e situations invo	umbers u Iving HCF	p to 2 digits us	sing divisi	ion method.
Resource Materia	al:	· ·· · ·			
Chalk/Marker, Whit	e/Blackboard, f	Viaths lex	tbook		F unctions
Warm-up Activit	es: A losson ask st	udonts to	cov "Tocmival	h"	5mins
Ask students: How Ask students to tel method and factor correct answers.	are you? Encou I how we can f tree method. Ta	rage then ind the H ke their re	n to say, "Alha ICF of number esponses and a	mdulillah rs by prir appreciat	n". ne factorization te them for their
Teaching and Lea	rning Activities	5:			20 mins
 Tell students There is and method. In a smaller number and then aga example step Solve the exact to find the He Ask them to state 	today they are g ther way to fir division method ber. Then divide in divide the dir by step on the mple 1 on the b CF by division m solve example 2 d the class, chec	going to f nd the H d, first w the divis visor by t board an poard step nethod. con page k their we	ind HCF by div CF of number or by the remainder d explain it to by step and e 26 of the text ork and guide	rision me rs that is greater is ainder ob in step 2 them. explain ea book in t them if re	thod. called division number by the otained in step 1 . Now solve the och step to them heir notebooks. equired.
Review:					3mins
Recall the lesson by Evaluation: To assess the learni	<pre>v explaining the ng of the stude</pre>	steps of f nts, ask th	inding HCF by nem to solve C	division i 2 (i,ii,iii)	method. 10mins of Exercise 2.1
Homework:					2mins
Solve Q2 (iv, v, vi)	in their notebo	ooks.			10

Less	son Plan
Grade: Five Subject: Maths	Term: 1st Time: 40mins
Teacher's Name: V	Veek: 6 Day: 4
Unit 2: HCF and LCM	opic: HCF by Prime Division Method
 Student Learning Outcomes: Find HCF of two and three numl Solve real-life situations involvin Resource Material: Chalk (Marker, White (Plackboard, Mat 	pers up to 2 digits using division method. ng HCF.
Warm-un Activities	5mins
 Before beginning the lesson, ask stu Ask students to tell how we can find to their responses and appreciate them for Teaching and Learning Activities: Write 12, 24, 88 on the board. Call a student to the front of the step on the board. Ask the rest if needed. Call random students one by or 	idents to say "Tasmiyah". he HCF of numbers by division method. Take for their good work. 20 mins e class. he given numbers by division method step by of the class to check the work and correct it he to the front of the class and ask them to
 write the numbers and then find Take their responses and appred 	I the HCF of the numbers by division method.
Review:	3mins
Recall the lesson by explaining how t division method.	o find the HCF of two or more numbers by
Evaluation:	10mins
To assess the students learning, ask th notebooks.	em to solve Q3 (i,ii) of Exercise 2.1 in their
Homework:	2mins

Homework: Solve Q3 (iii-iv) in their notebooks.

	L	esson	Plan		
Grade: Five	Subject: Mat	ths	Term: 1st		Time: 40mins
Teacher's Name:		Week	: 6		Day: 5
Unit 2: HCF and I	CM	Тор	ic: HCF by Pri	me Div	vision Method
 Student Learning Find HCF of t Solve real-life Resource Materia 	g Outcomes: two and three no e situations invo al:	umbers Iving HC	up to 2 digits (F.	using (division method.
Chalk/Marker, Whi	te/Blackboard, N	Maths Te	extbook		
Warm-up Activiti	es:		<i>"</i> , , , , , , , , , , , , , , , , , , ,	1.11	5mins
Ask students about two or more numb steps.	t their homewor ers by division r	rk. Ask t method.	hem to tell th Take their res	e step sponse	os to find the HCF of es and tell them the
Teaching and Lea	Irning Activities	5:			20 mins
Tell students	today they are	going to	revise HCF co	ncept	S.
 Make pairs of numbers. Instruction method. 	of students. Give struct them to	e each pa find the	air two or thre HCF of the r	e nun iumbe	nber cards of 2-digit ers by using division
 Roam around when finished 	d the class and o d.	check th	eir work. Ask	them	to raise their hands
 Now call one to the whole 	pair of students class. Ask the re	s to the f est of th	ront and ask t e class to cheo	hem t ck the	o present their work ir working and point

- out if there is any mistake and to correct it.
 Repeat the same activity with other pairs of students. Appreciate them for their active participation.
- Ask student to make real life situation to finding HCF.
- Now call one by one each student to the front of the class and ask him/her to share their problems to the whole class.
- Appreciate them for their good work.

Review:

3mins

Recall the lesson by telling students about the method to find the HCF of two or more numbers by division method.

Evaluation:	10mins
Ask them to write three 2-digit numbers in their notebooks and find H	ICF of the
numbers by division method.	
Homework:	2mins
Revise the class work.	

Le	esson	Plan	
Grade: Five Subject: Mat	:hs	Term: 1st	Time: 40mins
Teacher's Name:	Week	: 6	Day: 6
Unit 2: HCF and LCM	Topic:	LCM by Prime F	actorization Method
Student Learning Outcomes:			
 Find LCM of two and three neethod. 	umbers	up to 2 digits usi	ng prime factorization
• Solve real-life situations invo	lving LC	M.	
Resource Material:			
Chalk/Marker, White/Blackboard, N	∕laths Te	extbook	
Warm-up Activities:			5mins
Before beginning the lesson, ask	studen	ts to say "Tasmi	yah".
Ask students: Do you know about	: multip	les and commo	n multiples? Take their
responses and appreciate them for	their co	prrect answers.	
Teaching and Learning Activities	:		25 mins
• Tell students today they are g	going to	know about leas	st common factors.
 Ask them: Do you know about when we find the prime factor number which is divisible by 	ut LCM? ors of th each of	? Take their response The given number The given number	onse and tell them that s and then the smallest ers is called LCM.

• Tell them that there are two methods to find the LCM of numbers. One is called prime factorization method and the other is division method.

	2	12		2	24
	2	12		2	12
	2	6		2	4
	3	3		2	0
	-			3	3
Prime factoriza	itior	ιof I2	? = <mark>2</mark> ×	2	× 3
Prime factoriza	tior	1 of 24	= <mark>2</mark> ×	2 >	< 3 × 2

The common prime factors are 2, 2 and 3.

• Now we find the LCM of 12 and 24 by prime factorization method. Tell them that first we find the prime factors of 12 and 24 then find the common prime factor and non-common prime factors and at the end to find the LCM we find the product of common and non-common prime factors.

LCM = (Product of common prime factors) × (Product of non-common) of 2 or more numbers prime factors

• Solve the example 1 step by step on the board and explain it to students.

Review:	3mins
Recall the lesson by telling students about the steps to find the LCM of	[:] the given
numbers.	
Evaluation:	5mins
To assess the learning of the students, ask them to write two 2-digit nu their notebooks and find the LCM of the numbers.	umbers in
Homework:	2mins
Revise the classwork.	