# HISD Elementary Curriculum and Development INSPIRING TEACHING, IGNITING LITERACY & LEARNING. 2019-2020 HISD @ H.O.M.E. – Distance Learning – At-A-Glance

Mathematics – Grade 5

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Cycle 4 Week 1 May 11-15, 2020	I can use pictorial models to represent and solve multiplication of decimals with products to the hundredths in real- world problem situations.	I can solve multiplication of decimals with products to the hundredths in real- world problem situations.	I can solve multiplication of decimals with products to the hundredths in real- world problem situations.	I can solve real- world division problems (including problem situations with money) using various strategies and algorithms.	I can solve real- world division problems involving decimals to the hundredths using the standard algorithm.
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Cycle 4 Week 2 May 18-22, 2020	I can solve real- world division problems (including problem situations with money) using various strategies and algorithms.	I can solve real- world division problems (including problem situations with money) using various strategies and algorithms.	I can solve real- world division problems involving decimals to the hundredths using the standard algorithm.	I can use pictorial models to represent and solve multiplication of decimals with products to the hundredths in real- world problem situations.	I can solve multiplication of decimals with products to the hundredths in real- world problem situations.
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Mathematics – Grade 5

May 11-22, 2020 - Week 1

Monday	<i>i</i> = 30	minutes
<b>Incrud</b> a		1111111111000

	Monday – 30 minutes
Activity I can use pictorial models to represent and solve multiplication of decimals with products to the hundredths in real-world problem situations.	Look at the example: Ms. Greene is sewing a skirt for her daughter. She purchased 0.5 yards of fabric. She needs 0.3 of the fabric she purchased to make a trim around the skirt. In yards, how long is the fabric Ms. Greene will use to make the trim around the skirt? Suiding Questions: • To begin modeling this problem, which factor do you need to first represent? • You represented five tenths with five longs. How much is one tenth of your five tenths? • Where do you see one tenth of five tenths in your model? • How much is three tenths of five tenths? "I represented the five-tenths by shading vertically using a light blue. This represents the fabric Ms. Greene purchased. I know that Ms. Greene used three-tenths of the fabric. I shaded the three- tenths horizontally using a dark blue. I know that one-tenth of five-tenths is five hundredths. I need three-tenths of five-tenths, so I must count three rows of five hundredths. This is 0.15. Therefore, I know that 0.3 x 0.5 = 0.15." Use grid paper to represent and solve the problems below. Problem A Jessica bought 0.6 of a pound of chocolate. She used 0.4 of I a pitcher. She used 0.4 of
	Problem AProblem BProblem CJessica bought 0.6 of a poundCarley has 0.8 liters of waterJanet had 0.9 of a yard of
Resources	Handout: Grid Paper



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**Mathematics – Grade 5** 

May 11-22, 2020 - Week 1

	Tueso	day – 30 minut	tes						
Activity	Look at the examples below.								
	Distributiv	e Property	Dortio	I Products					
	Distributiv	e Flopenty							
I can solve multiplication of	\$2.75 x 5 = (2x	(5) + (0.75 x 5)		2.75 <u>5</u> 0.25					
decimals with	10	0 + 3.75		0.25 3.50					
products to the	-	= \$13.75	1	0.00					
hundredths in real-world		Image by HISD Curriculum		3.75					
problem situations.	Solve the problems below using 2 or Standard Algorithm.	Image by HISD Curtarium using Microards Word Is below using 2 of the following strategies: Distributive Property, Pa ithm							
	Problem A	Problem B		Problem C					
	Diana gives each of her 5	Pizza Hut sells fi		This week Matt ra					
	children \$6.25 for their weekly allowance. How much money	sticks for \$4.95. 25 breadsticks for	• •	He wants to run far next week. Ho					
	does Diana need for	How much will M	liguel pay for	miles does Matt					
	allowances each week?	the breadsticks?		next week?					
	Choose one of the problems. E		lved the proble	m using mathema	tical				
	language and complete sentend	ces.							



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#### **Mathematics – Grade 5**

May 11-22, 2020 - Week 1

	Wednesday – 30 mi	inutes										
Activity	Look at the example.	Look at the example.										
	<i>Mr. Mills is a carpenter. He needs to cut 0.5 of t</i> <i>long of a piece will Mr. Mills cut?</i>	his 3-meter board for a project. In meters, how										
I can solve multiplication of decimals with products to the	1 meter         1 me           0.1         0.1         0.1         0.1	Image by HISD Curiculum using Microsoft Word										
hundredths in real-world problem situations.		ieces is equal to three of the small squares. I need of the three meters five times. I can see that 0.5 of										
	Represent and solve the problems using a model a <b>Problem A</b> Jeremy spent 4.75 hours working with his father each day for 5 days. What is total number of hours Jeremy worked with his father during this time?	Model: Explanation of Model:										
	Problem B Paul drank 3.5 bottles of water yesterday. Each of these bottles contained 1.5 liters of water. How much water did Paul drink?	Model: Explanation of Model:										



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**Mathematics – Grade 5** 

May 11-22, 2020 - Week 1

	Thurso	day – 30 minutes	
Activity	Look at the example.		
	Mandy spent \$1.30 on a yard of how much did Mandy spend on t		n into 5 equal pieces. In dollars,
I can solve real- world division problems (including problem situations with money) using various strategies and algorithms.	<ul> <li>Guiding Questions:</li> <li>How can you show \$1.30 of ribbon shared equally between five groups?</li> <li>How is the partial quotient strategy the same/different than the standard algorithm?</li> <li>Solve the problem below using part Randy, Margarita, and Candy eart selling lemonade. Each person received much money did each person received much money did each person received</li> </ul>	rtial quotients or standard al rned \$54.57 Write a lett eceived an you would ollars, how	Standard Algorithm         0.26         1.00         .100         .30         .30         .00



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Mathematics – Grade 5

May 11-22, 2020 - Week 1

	Friday – 30 minutes										
Activity	Look at the example.										
	Lisa paid a total of \$91.70 for a 14-month subscr same amount each month. How much did Lisa pa										
I can solve real- world division problems involving decimals to the hundredths using the standard algorithm.	06.55         6.00         Lisa paid \$6.55 ea           14         91.70         6.00         Lisa paid \$6.55 ea           -84.00         0.50         -         -           7.70         0.50         -         -           0.70         + 0.05         -         -           0.70         -         -         -           0.00         6.55         -         -	ach month.									
	Solve the problems using standard algorithm. <b>Problem A</b> Shawn purchased a yearly music subscription for \$115.20. He will make monthly payments of the same amount for twelve months. What is the amount of Shawn's monthly payment for the music subscription?	Standard Algorithm									
	<b>Problem B</b> Rhonda bought 16.72 meters of yarn from the fabric store. She cut the yarn into 11 pieces of equal length. What was the length of each piece of yarn in meters?	Standard Algorithm									



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**Mathematics – Grade 5** 

May 11-22, 2020 – Week 2

	Mond	ay – 30 minutes			
Activity		Odd One Out			
	Solve each problem. After solving one of the problems is different from		ts. Explain how the quotient from		
I can solve real- world division problems (including problem situations with money) using various strategies and algorithms.	One of the problems is different from the problem A         Adriana and her two friends go to lunch. They decided to equally split the bill of \$28.35.         How much will each person pay?         Solve	Problem B Daniel purchased a yearly subscription for \$105.20. He will make monthly payments of the same amount for eight months. What is the amount of Daniel's monthly payment for the subscription? Solve	Problem C Kate can purchase a parking permit at University of Houston for \$246.75. She will make monthly payments of the same amount for seven months. How much money will Kate pay each month for the park permit? Solve		
	Use the sentence stem below to The quotient from	different from the other two prob help you justify your answer. In problem is different from ems and because	n the quotients in		

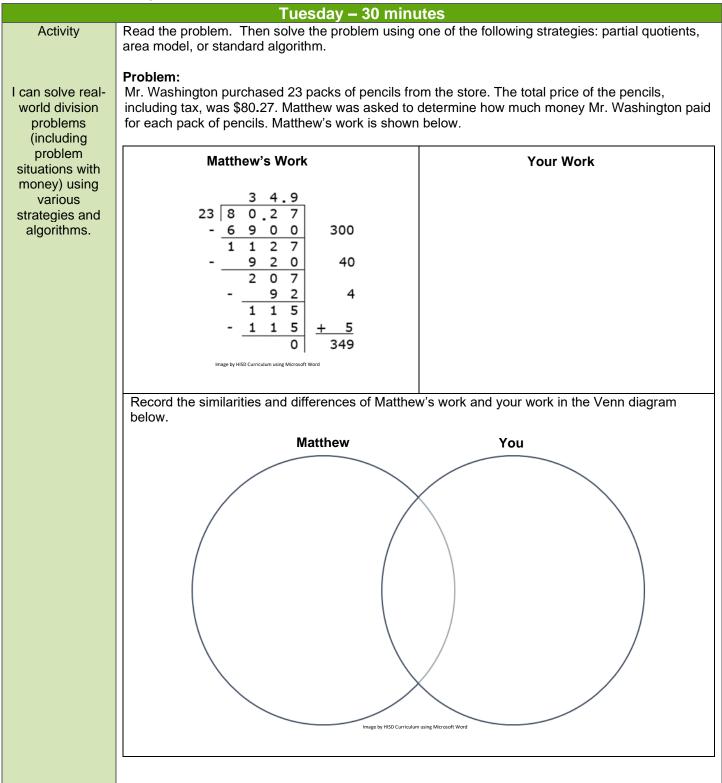


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Mathematics – Grade 5

May 11-22, 2020 - Week 2





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Mathematics – Grade 5

May 11-22, 2020 - Week 2

Wednesday – 30 minutes										
Activity	Solve the problems below using the standard al	gorithm.								
	23.05 ÷ 5	2,305 ÷ 5								
I can solve real- world division										
problems involving										
decimals to the hundredths										
using the standard										
algorithm.										
	Use mathematical language to explain how usin <b>similar</b> and <b>different</b> to solving 2,305 ÷ 5.	ig the standard algorithm to solve $23.05 \div 5$ is								
	Similar	Different								



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Mathematics – Grade 5

May 11-22, 2020 – Week 2

	Thursday – 30 min	utes							
Activity	Am I in the wrong pla	ace?							
l can use	Determine if the decimal is correctly placed in the answer for each problem. In the spaces provided, solve each problem using a model and explain why the decimal placement in the given answer is or is not correct.								
I can use pictorial models to represent and solve multiplication of decimals with	Problem ALisa bought 3.5 pounds of grapes. The grapes cost \$0.40 per pound. How much did Lisa pay for these grapes?Answer: \$14.00								
products to the hundredths in real-world problem situations.	Pictorial model: Problem B Jim earns \$5.25 a week for walking two dogs. He did Jim earn walking the dogs for 5 weeks? Answer: \$26.25	Explanation of the decimal point:							
	Pictorial model:	Explanation of the decimal point:							



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**Mathematics – Grade 5** 

May 11-22, 2020 - Week 2

	tiplication of cimals with ducts to the ndredths in eal-world problemProblem ASolution:eal-world problemProblem ASolution:							
l can solve	<ul> <li>Complete the steps below:</li> <li>Solve problems A and B.</li> <li>Create a word problem that would require you</li> <li>Ask a family member to solve your word problem</li> </ul>	to multiply decimals to the hundredths. em and provide help if needed.						
multiplication of decimals with products to the hundredths in real-world problem situations.	Chris worked 35 hours last week at GameStop. He earns \$8.75 per hour. In dollars, how much money did Chris earn working at GameStop last week?							
	Problem B This week Mara ran 12 miles. She wants to run 2.75 times as far next week. How many miles does Mara want to run next week?	Solution:						
	Your Word Problem	Solution:						



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