

Division. Telling time.

Math 2 Classwork 25

Warm Up







	Lesson 25	Division. Telling time.	
10	For each question draw a diagram, write an expression with division, and find its value:		
	<i>Example:</i> 10 cups of flour make 5 batches of cookies. How many cups of flour in one batch? Here are a diagram and an expression with division that represents this situation:		
	1 batch		
	$10 \div 5 = 2$		
	10 cups		
	a) 6 cups of flour make 3 batches of cupcakes. How many cups of flour in one batch?		
	b) 14 cups of flour make 7 batches of bread. How many cups of flour in one batch?		
11	Dan and Karen are trying to figure out which number could be placed in the box to make this equation true.		
	$2 = \Box \div 6$		
	Dan insists that 12 is the only number that makes the equation true. Karen insists that 3 is the only number that makes the equation true.		
	Who is right? Why? Draw a picture to support your idea.		
12	How do we find a side of the rectangle if we know the Area and one side? Write a correct equality for each question:		
	а	$A = a \times b$	
		a) Find the side <i>b</i> , f <i>a</i> = 5 and <i>A</i> = 20	
	A	b b) Find the side a , f $b = 10$ and $A = 20$	
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c) Another day, Kristina finished her homework at 5:05 PM after spending 40 minutes on her homework. What time did Kristina start her homework?

Lesson 25

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Did you know ...

Ever since man first noticed the regular movement of the Sun and the stars, we have wondered about the passage of time. Prehistoric people first recorded the phases of the Moon some 30,000 years ago and recording time has been a way by which humanity has observed the heavens and represented the progress of civilization.

First Clocks:

According to historical records and archaeological finds, the Ancient Egyptians developed the first known clock. Called **Shadow Clock**, they were able to divide the day into 12-hour periods and used some of their enormous obelisks to track the movement of the Sun.

Sundial (or Shadow clock), the earliest type of timekeeping device, indicates the time of the day by the position of the shadow of some object exposed to the Sun's rays. As the day progresses, the Sun moves across the sky, causing the object's shadow to move and indicating the passage of time.

EGYPTIAN SUN CLOCK





A candle marked for use as a timer

Candle Clocks Marked candles were used for telling the time in China from the sixth century CE.

Water Clocks

The water clock, or clepsydra, appears to have been invented about 1,50 BCE and was a device, which relied on the steady flow of water from or into a container.

