

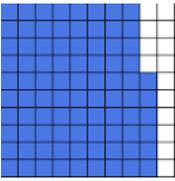
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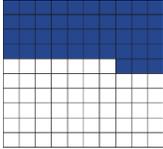
6th Grade Math Homework

November 14 - 18

Please use your math notebook and/or our math website for help/videos to help with concepts on this homework.

6th grade math website: sms6math.weebly.com**SHOW ALL WORK IN THE WORK COLUMN.**

Monday	Monday's Work	Tuesday	Tuesday's Work
<p>What percent of the squares in the model are shaded?</p> 		<p>There is $\frac{3}{4}$ of a pizza leftover from the night before. How many $\frac{1}{8}$ portions are there?</p>	
<p>In the school play, 12 out of 25 students are boys. What percent of the students are boys?</p>		<p>Find the difference.</p> $78.89 - 42.1$	
<p>Express 124% as a mixed number in simplest form.</p>		<p>What is the LCM of 5 and 10?</p>	
<p>Write 54% as a fraction in simplest form.</p>		<p>Find the missing number of each unit rate.</p> $\frac{4}{24} = \frac{2}{?} \quad \frac{35}{40} = \frac{7}{?}$	
<p>Express 56% as a decimal.</p>		<p>In a crayon box there are 5 dark colors for every 8 light colors. If there are 20 dark colors, how many light colors are there?</p>	
<p>Express $\frac{3}{20}$ as a percent.</p>		<p>Write the product of $7 \times 7 \times 7 \times 7$ in exponential form.</p>	
<p>Express 0.23 as a percent.</p>		<p>A recipe calls $\frac{1}{4}$ cups of flour. John needs to cut this recipe in half. How much flour will he use?</p>	
<p>At the office supply store, 14 out of 25 binders are red. What percent of the binders are red?</p>		<p>What is the opposite of $5\frac{1}{4}$?</p>	

Wednesday	Wednesday's Work	Wednesday	Wednesday's Work
What percent of the squares in the model are shaded? 		45% of the students in the school like country music. How many people like country music if there are 180 students in the school?	
Express 235% as a mixed number in simplest form.		Amanda is making a punch where she uses orange juice and fruit juice. She has 10 cups of punch. If 4 cups are orange juice, what percent of the punch is fruit juice?	
What is 75% of 80?		125 is 50% of _____.	
The school give out gift baskets to new students. $\frac{3}{10}$ of the basket is pencils, 0.25 is erasers, 40% is paper, and the rest is pens. What percent of the basket was pens?		84% of the teachers in the school are female. If there are 75 teachers in the building, how many are female?	

Thursday

Use the attached grid to answer the question below. Remember to use CUBES!

The table below lists the abundance of the eight most common elements in the earth's crust.

Element	Portion of the earth's crust
Oxygen	0.4660
Iron	0.0500
Silicon	0.2772
Aluminum	0.0813
Sodium	0.0283
Calcium	0.0363
Potassium	0.0259
Magnesium	0.0209

a) Order the elements in the earth's crust from most abundant to least abundant.

b) To the nearest hundredth, estimate how much of the total earth's crust is made up of the *three* most abundant elements. Explain how you came up with your estimate.

c) About what percent of the crust is made up of these three elements? Explain your reasoning.