Name: _____   **Homework #6**

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. *To earn full credit, you must show some work when solving equations.*

**IMPORTANT: Go to this link and insert your answers

T h u r s d a y	What is the value of the expression shown? $$4[4.5 - 2(1.2)]$$ **F** 8.4 **G** 15.6 **H** 12 **J** 19.2	A chef used $\frac{1}{4}$ cup of milk for one recipe. Then she used 2 cups of milk for each of 5 more recipes. The total number of cups of milk the chef used can be found by using this expression. $$\frac{1}{4} + (2 \times 5)$$ How many cups of milk did the chef use? **A** $10\frac{1}{4}$ c **B** $11\frac{1}{4}$ c **C** $\frac{11}{4}$ c **D** $\frac{15}{4}$ c	An expression is shown. $$8 \times (3.8 + 13.2) - 6$$ What value is equivalent to the expression? **F** 37.6 **G** 61.4 **H** 130 **J** 88	Solve the following expression. $$[2(7.25) + 2(24)] - 10$$

|			
F r i d a y	Vanna used the fraction strips shown to help her determine the difference between $\frac{5}{6}$ and $\frac{1}{4}$. Fraction Strips What is $\frac{5}{6} - \frac{1}{4}$? **A** $\frac{1}{5}$ **B** $\frac{7}{12}$ **C** $\frac{1}{2}$ **D** $\frac{5}{8}$	The shaded part of the model represents a fraction. Another fraction was subtracted from the first fraction. Which expression does the model represent? **F** $\frac{11}{15} - \frac{1}{6}$ **G** $\frac{11}{12} - \frac{6}{12}$ **H** $\frac{6}{15} - \frac{4}{15}$ **J** $\frac{11}{15} - \frac{2}{5}$	Cara and Marcus shared a candy bar. The models are shaded to show the fraction of the candy bar each of them ate. Cara Marcus What fraction of the candy bar did Cara and Marcus eat altogether? **F** $\frac{11}{12}$ **G** $\frac{9}{16}$ **H** $\frac{1}{12}$ **J** $\frac{9}{24}$
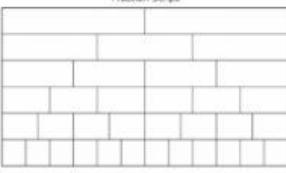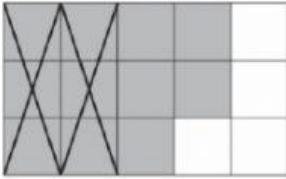
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Mrs. Ali collected notebook paper from her students at the beginning of the school year. The model is shaded to show the fraction of this notebook paper that Mrs. Ali used in each of the three months.

First month

Second month

Third month

What fraction of the notebook paper Mrs. Ali collected was used during these three months?

A $\frac{3}{8}$

B $\frac{7}{8}$

C $\frac{3}{14}$

D $\frac{1}{8}$

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Darenda worked for 3 weeks. The shaded parts of the model represent the fraction of each week she worked from her home office.

Week 1

Week 2

KEY

= 1 week

Week 3

Which expression can be used to determine the number of weeks Darenda worked from her home office over these 3 weeks?

A $3 + \frac{3}{4}$

B $3 + \frac{3}{7}$

C $3 \times \frac{3}{4}$

D $3 \times \frac{3}{7}$

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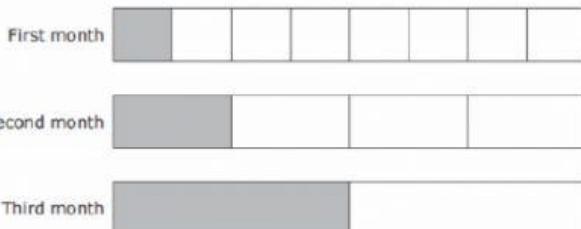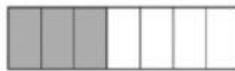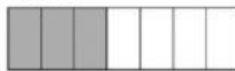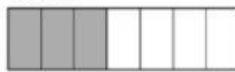
| T u e s d a y	Which model represents $\frac{3}{5}$ of 15? F G H J	Weather delayed $\frac{4}{6}$ of the 24 flights departing from an airport. All the departing flights are listed in the chart.

Departing Flights

Flight #48	Flight #111	Flight #90	Flight #38
Flight #112	Flight #222	Flight #134	Flight #46
Flight #23	Flight #564	Flight #56	Flight #116
Flight #12	Flight #72	Flight #765	Flight #677
Flight #17	Flight #86	Flight #89	Flight #422
Flight #65	Flight #329	Flight #88	Flight #499

How many flights departing from the airport were delayed by weather?

A 18

B 4

C 16

D 8

W e d n e s d a y	Which model represents the expression $4 \div \frac{1}{8}$?	The model is shaded to represent the remaining one-half of a cake. Three friends will each receive an equal amount of the remaining cake until it is all gone.	Which number line best models the expression $3 \div \frac{1}{3}$?
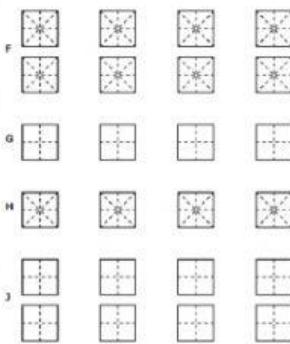
Cake

Which equation can be used to determine the fraction of the whole cake each friend will receive?

F $\frac{1}{2} \times 3 = \frac{3}{2}$

G $\frac{1}{2} \times 6 = \frac{6}{2}$

H $\frac{1}{2} \div 3 = \frac{1}{6}$

J $\frac{1}{2} \div 6 = \frac{1}{12}$

A

B

C

D