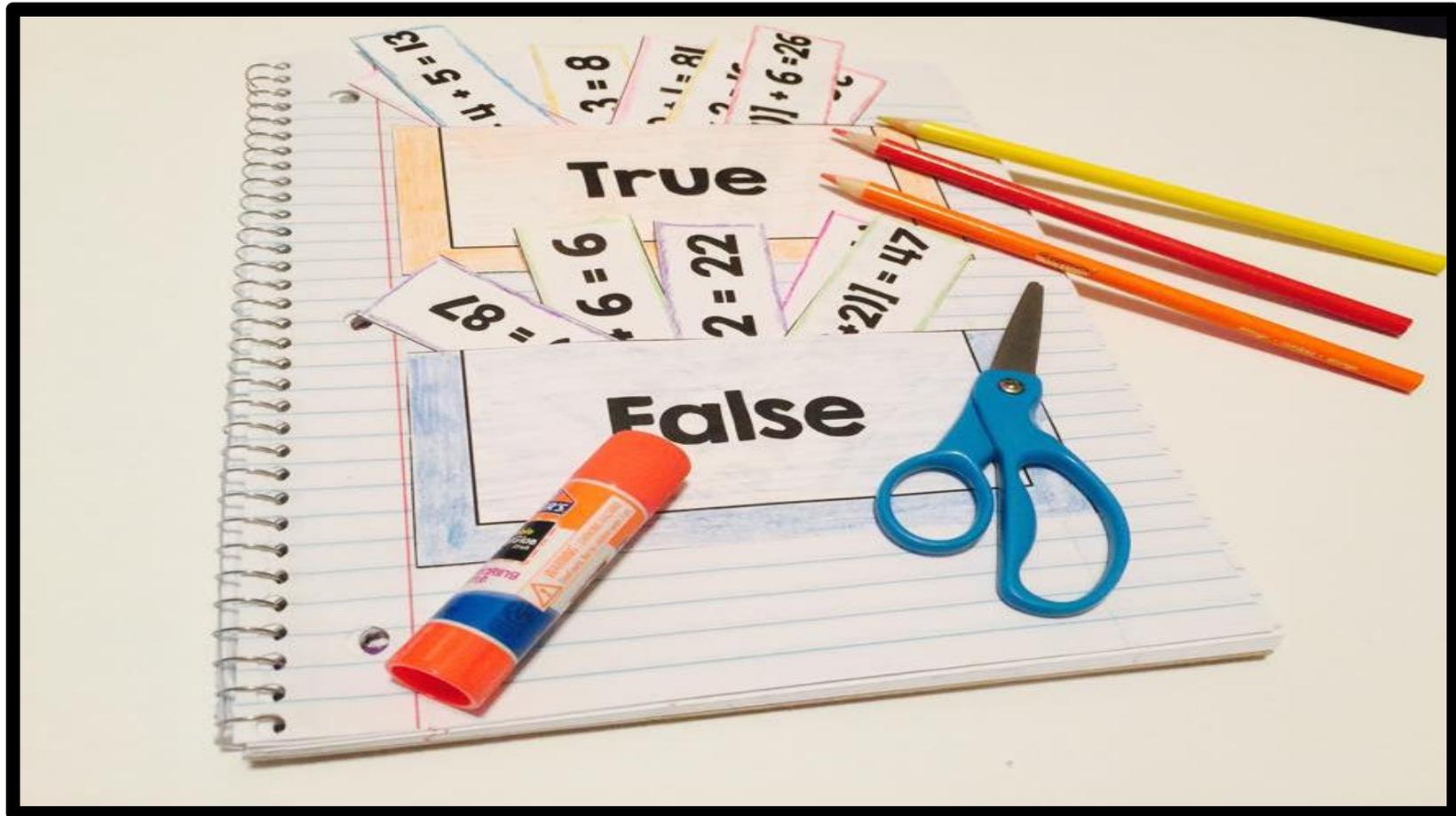# Math Sorts

Common Core Math Sorts

Three from Each Grade Level! (3rd-5th)

Jennifer Findley

About this Freebie!

This freebie includes 12 complete math sorts (3 aligned to 3rd grade math standards, 3 aligned to 4th grade math standards, and 3 aligned to 5th grade math standards).

If you use like these sorts, you will definitely want to check out the complete set for each grade level. Each set includes a sort for every standard for that particular grade level! Click on the images to see the grade levels.
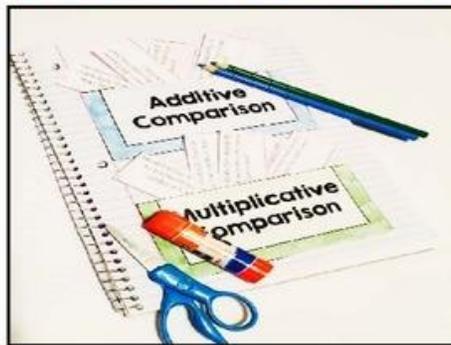
Math Sorts

3rd Grade Common Core Math Standards
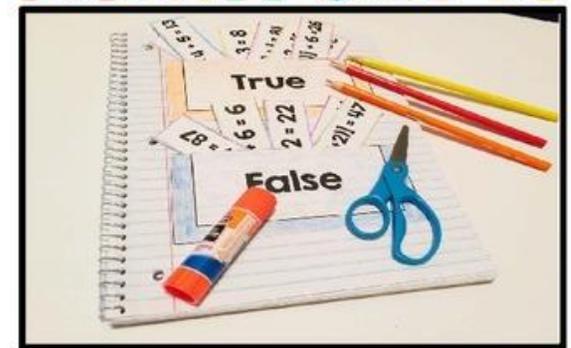**Includes 32 Math Sorts**

Jennifer Findley

Math Sorts

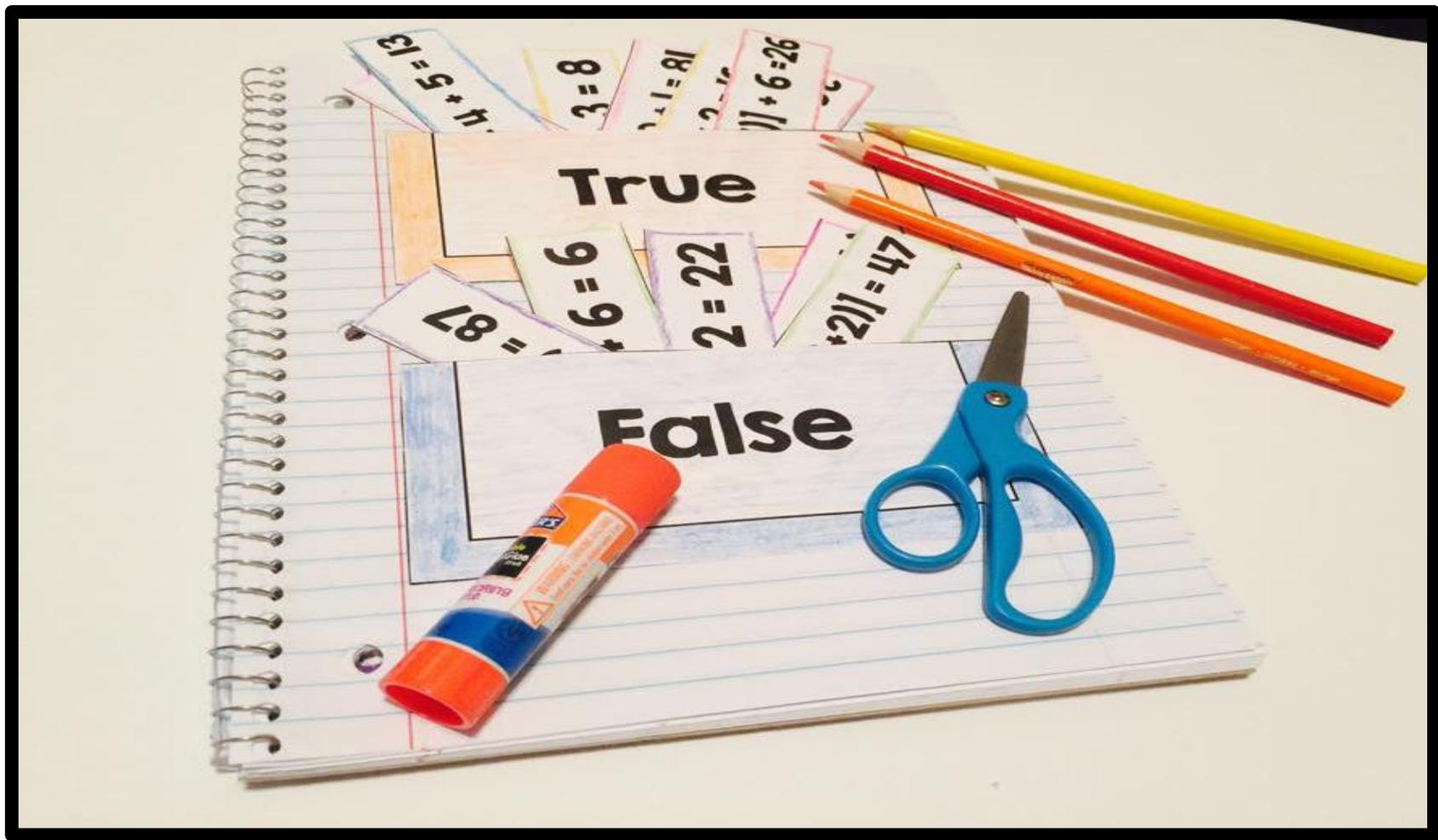4th Grade Common Core Math Standards
Includes 36 Math Sorts

Jennifer Findley

Math Sorts

5th Grade Common Core Math Standards
Includes 28 Math Sorts

Jennifer Findley

Works great in an interactive notebook.

Use as a center sort activity.

3rd Grade Math Sorts

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket by matching the model with the division problem that it shows.
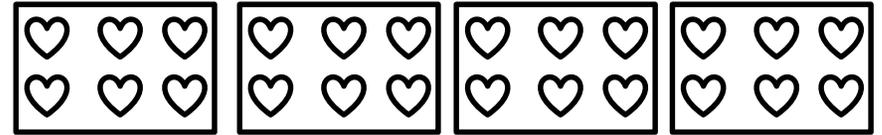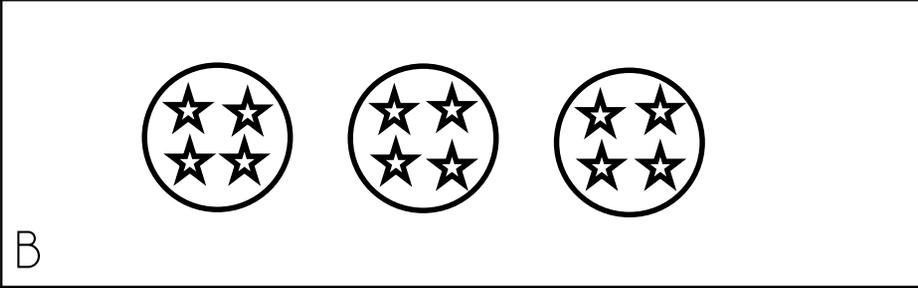
$$12 \div 3 =$$

$$16 \div 4 =$$

$$24 \div 4 =$$

$$15 \div 3 =$$

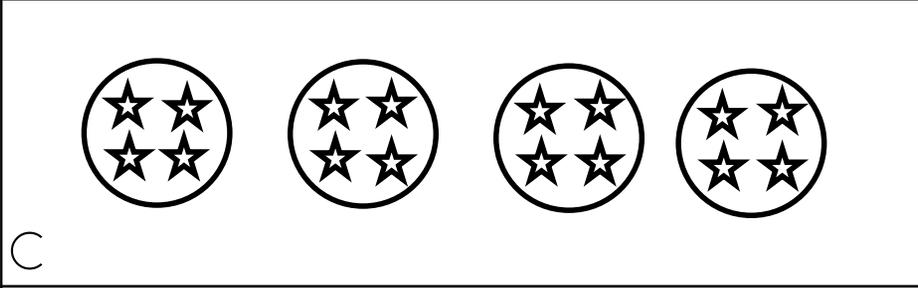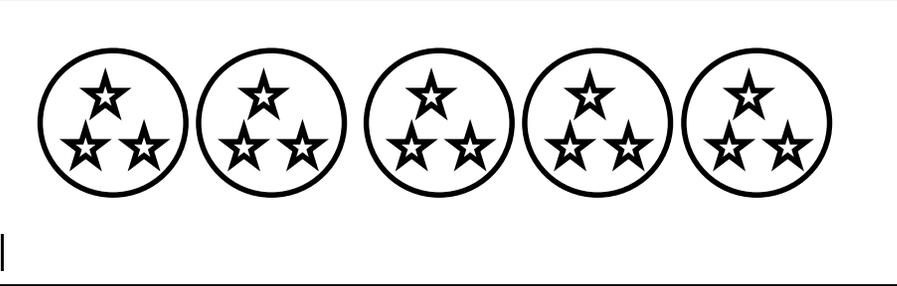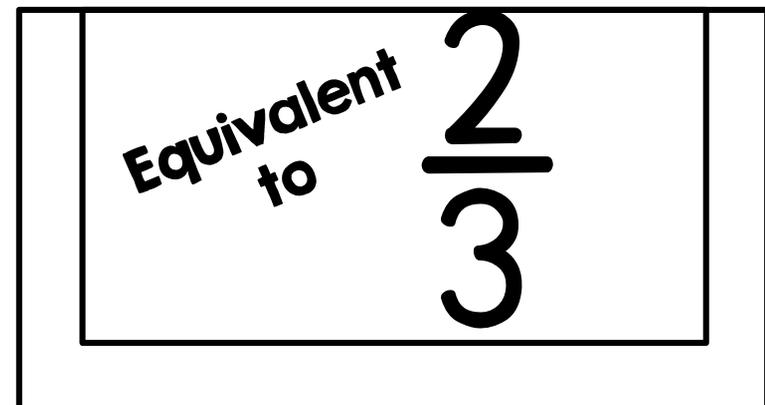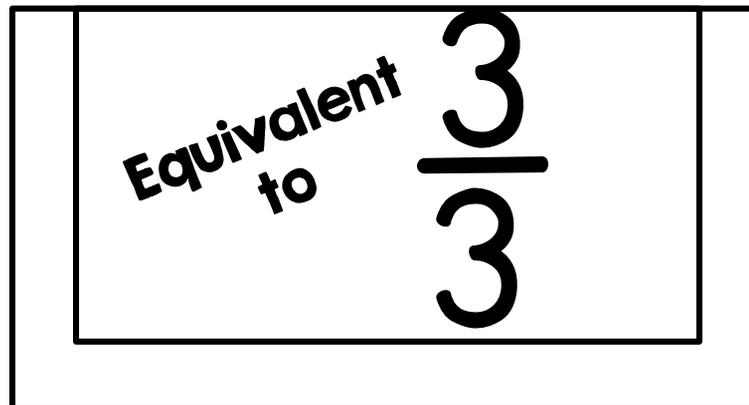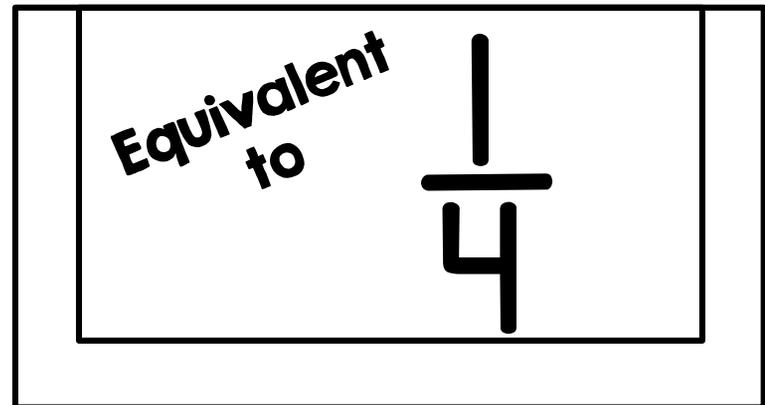|	
15 objects divided equally into 3 groups A	 F
 B	**16 objects divided into groups of 4** G
 C	**12 objects divided into groups of 3** H
24 objects divided into groups of 4 D	 I
16 objects divided equally into 4 groups E	**24 objects divided equally into 4 groups** J

3.OA.2

Answer Key

12 ÷ 3 =	16 ÷ 4 =	24 ÷ 4 =	15 ÷ 3 =
B	C	D	A
H	E	F	I
	G	J	

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket by determining which fraction they are equivalent to.

Equivalent to $\frac{1}{2}$

Equivalent to $\frac{3}{4}$

Equivalent to $\frac{1}{3}$

Equivalent to $\frac{1}{4}$

Equivalent to $\frac{3}{3}$

Equivalent to $\frac{2}{3}$

3.NF.3

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$\dfrac{6}{8}$	$\dfrac{4}{8}$
$\dfrac{3}{9}$	$\dfrac{2}{6}$
$\dfrac{2}{2}$	$\dfrac{2}{8}$
$\dfrac{2}{4}$	$\dfrac{4}{6}$
$\dfrac{4}{4}$	$\dfrac{3}{6}$

3.NF.3
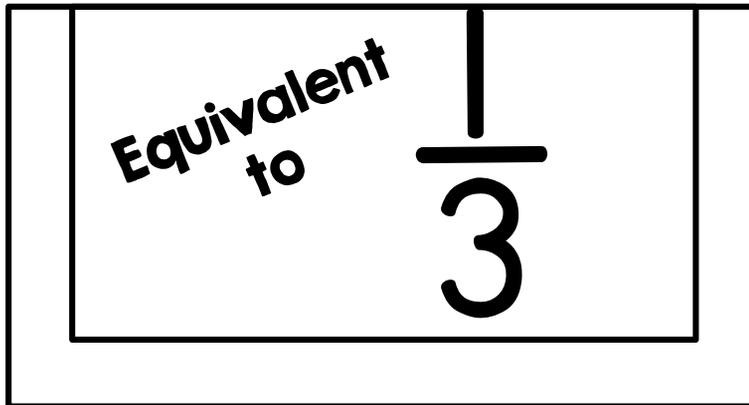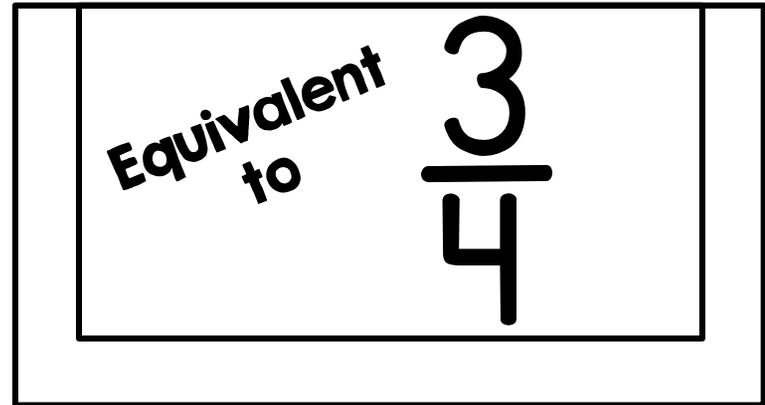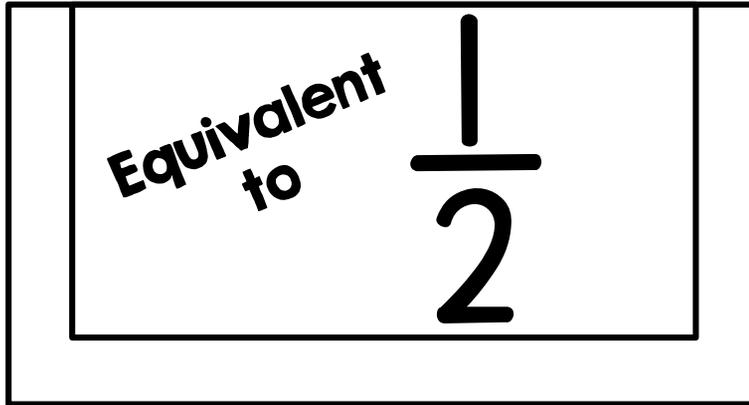
Answer Key

$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{3}{3}$	$\frac{2}{3}$
$\frac{4}{8}$	$\frac{6}{8}$	$\frac{2}{6}$	$\frac{2}{8}$	$\frac{4}{4}$	$\frac{4}{6}$
$\frac{2}{4}$		$\frac{3}{9}$		$\frac{2}{2}$	
$\frac{3}{6}$					

Quadrilateral

Not a Quadrilateral

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket by determining if the shape is a quadrilateral or not.

A	F
B	G
C	H
D	I
E	J

3.G.1
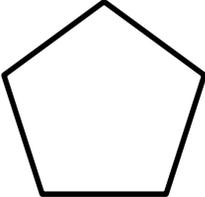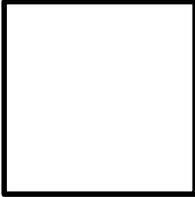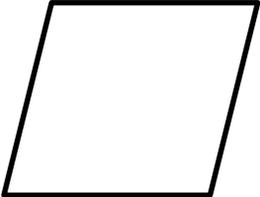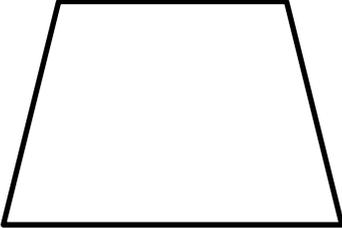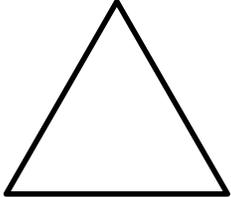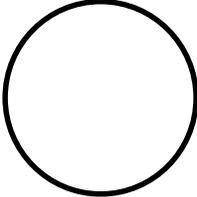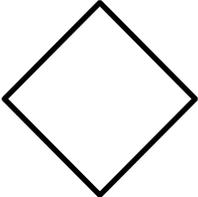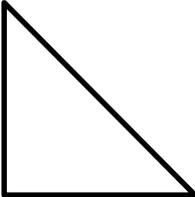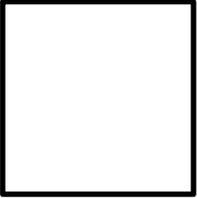
Answer Key

Quadrilateral	Not a Quadrilateral
B	A
D	C
E	H
F	I
G	J

4th Grade Math Sorts

Multiplicative Comparison

Additive Comparison

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Solve each word problem. Then sort the slips into the correct pocket to indicate if the word problem is a multiplicative comparison or an additive comparison.

4.OA.2

|	
Hillary has $6. Her sister has four dollars more than Hillary. How much money does her sister have? A.	Two friends have some baseball cards. Tony has 8 cards. Jose, on the other hand, has 3 times as many as Tony. How many cards does Jose have? B.
The cost of a soda at the movies is $2. Popcorn costs three times as much as that. How much does the popcorn cost? C.	The book fair is set up in the library. Janie spends $5 on a new book. Susie spends two more dollars than Janie. How much does Susie spend? D.
Jacob has four times as many pages of homework as his brother. His brother has 2 pages. How many pages of homework does Jacob have? E.	Hillary has $6. Her sister has four times more money than Hillary. How much money does her sister have? F.
Two friends have some baseball cards. Tony has 8 cards. Jose, on the other hand, has 3 more cards than Tony. How many cards does Jose have? G.	The cost of a soda at the movies is $2. Popcorn costs three dollars more than the soda. How much does the popcorn cost? H.
The book fair is set up in the library. Janie spends $5 on a new book. Susie spends twice as much money as Janie. How much did Susie spend? I.	Jacob has four more pages of homework than his brother. His brother has 2 pages. How many pages of homework does Jacob have? J.

Answer Key

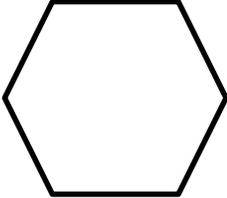| Multiplicative Comparison	Additive Comparison
B = 24 cards	A = $10
C = $6	D = $7
E = 8 pages	G = 11 cards
F = $24	H = $5
I = $10	J = 6 pages

One Step Problem

Multi-Step Problem

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Solve the word problem on each slip. Then sort the slips on the next page into the correct pocket to indicate if the word problem is a one step problem or multi-step problem.

4.OA.3

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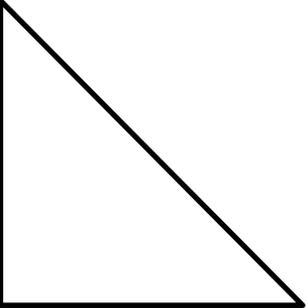|	
Jason bought three boxes of pencils for school. Each box contained 24 pencils. How many pencils did Jason buy? A.	Expo markers come in packs of 6 markers each. How many packs of markers will Mr. Franklin need to buy if he wants 96 markers? B.
A recipe requires 1 cup of milk and 2 cups of water. How much liquid will be needed for six batches of the recipe? C.	Henry bought two shirts for $18 each and three pairs of pants for $36 each. How much money did Henry spend on the shirts and pants? D.
Mr. Taylor buys three boxes of 48 crayons. He also buys 6 boxes of 18 crayons. How many crayons did Mr. Taylor buy? E.	A bakery made fifteen dozen cupcakes in the morning and eight dozen cupcakes in the afternoon. How many cupcakes did the bakery make in all? F.
Tickets for a movie are $8 for adults and $5 for children. How much will it cost for 6 adults and 13 children to attend the movies? G.	Daisy eats two cans of dog food a day. How many cans will Daisy eat after a month (assuming the month has 31 days)? H.
The Hunter family recently went on vacation to the beach. They spent four hours each day playing in the ocean. If they stayed for 7 days, how many hours of ocean fun did they have? I.	Westview Elementary has six fifth grade classes and five fourth grade classes. There are 28 students in each fifth grade class and 32 students in each fourth grade class. How many more fifth graders are there than fourth graders? J.

4.OA.3
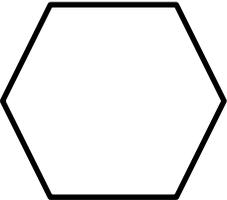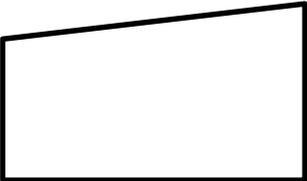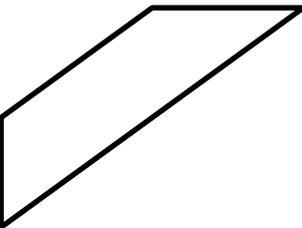
Answer Key

One Step Problem	Multi Step Problem
A = 72 pencils	C = 18 cups
B = 16 packs	D = $144
H = 62 cans	E = 252 crayons
I = 28 hours	F = 276 cupcakes
	G = $113
	J = 8 more students

4.OA.3

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket based on the type of lines present in the shape.

Contains Only Parallel Lines

Contains Only Perpendicular Lines

Contains BOTH parallel and perpendicular lines

4.G.1-2

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A.	B.	C.
D.	E.	F.
G.	H.	I.

4.G.1-2

Answer Key

Contains Only Parallel Lines	Contains Only Perpendicular Lines	Contains BOTH parallel and perpendicular lines
C	D	A
E		B
F		G
H		I

5th Grade Math Sorts
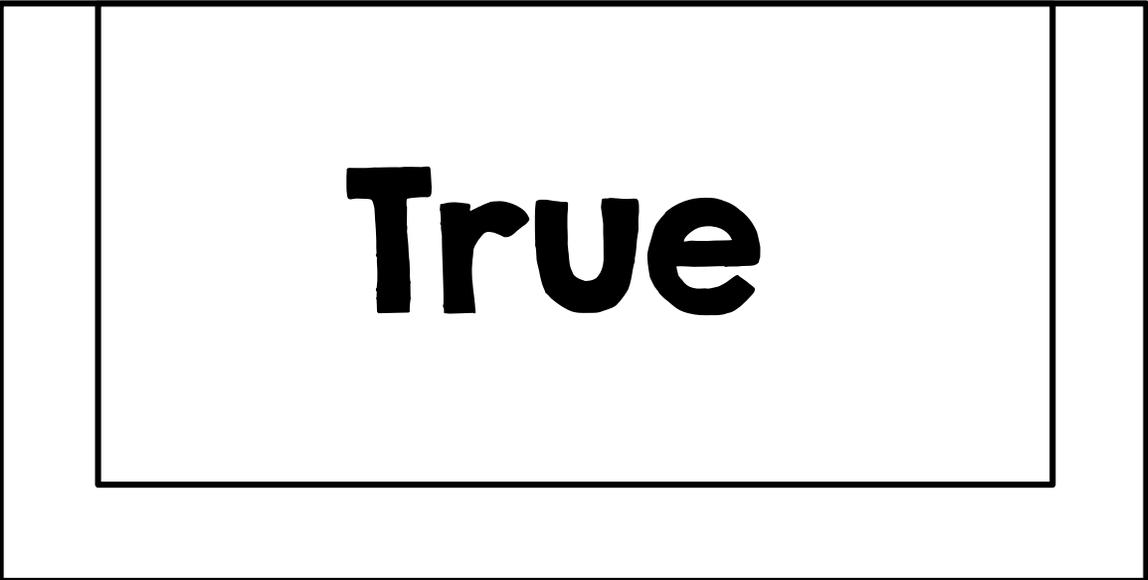
True

False

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket to indicate if the equation is true or false.
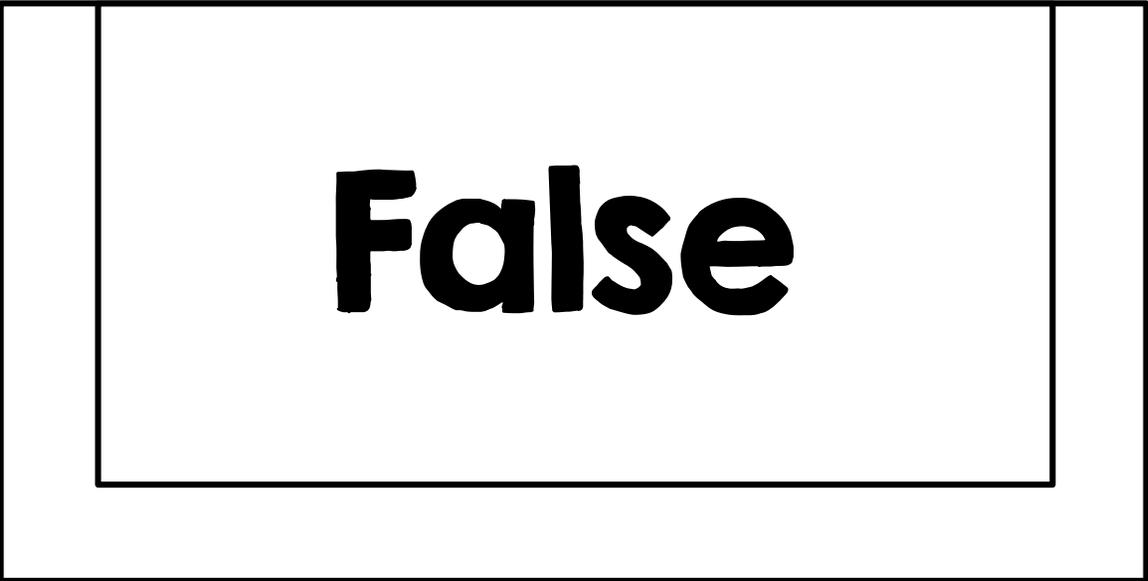
5 + 6 x 2 = 22	**3 x [5 x (3+2)] = 47**
36 ÷ 6 x 2 = 12	**18 + 3 - 4 x 2 = 13**
(3 + 5) x 10 + 1 = 81	**36 - 10 x 2 = 16**
(9 x 2) + 3 x 5 = 105	**15 x (6 - 3) = 87**
22 - 10 + 6 = 6	**[2 x (15-5)] + 6 =26**
15 - 10 + 3 = 8	**24 ÷ 6 x 3 - 4 + 5 = 13**

5.OA.1

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Answer Key

True	False
36 ÷ 6 x 2 = 12	5 + 6 x 2 = 22
(3 + 5) x 10 + 1 = 81	(9 x 2) + 3 x 5 = 105
15 - 10 + 3 = 8	22 - 10 + 6 = 6
18 + 3 - 4 x 2 = 13	3 x [5 x (3+2)] = 47
36 - 10 x 2 = 16	15 x (6 - 3) = 87
[2 x (15-5)] + 6 =26	
24 ÷ 6 x 3 - 4 + 5 = 13	

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket based on what operation the words indicate.

5.OA.2

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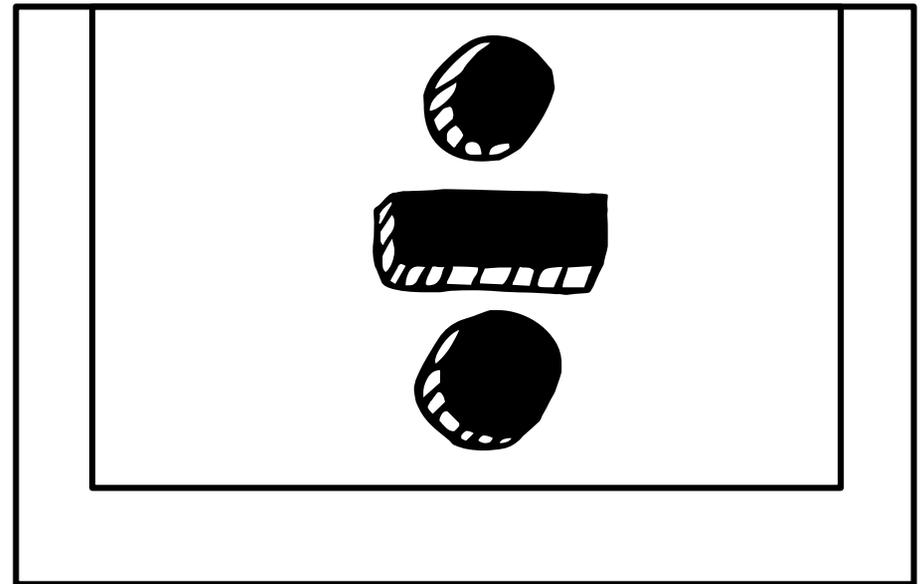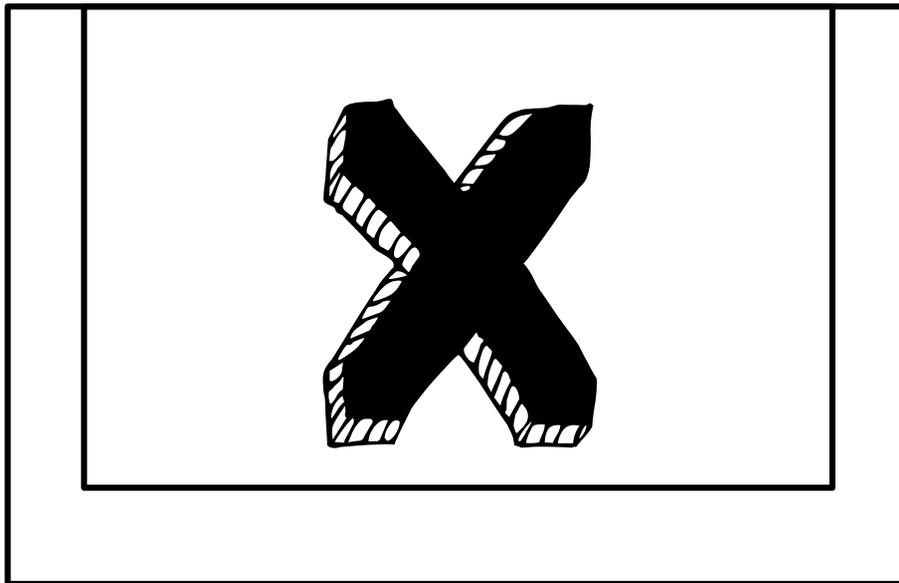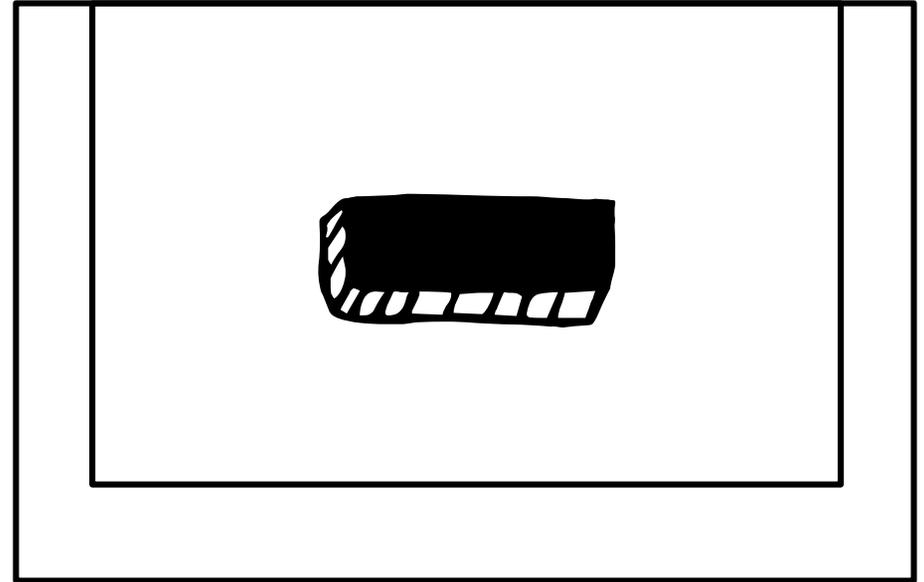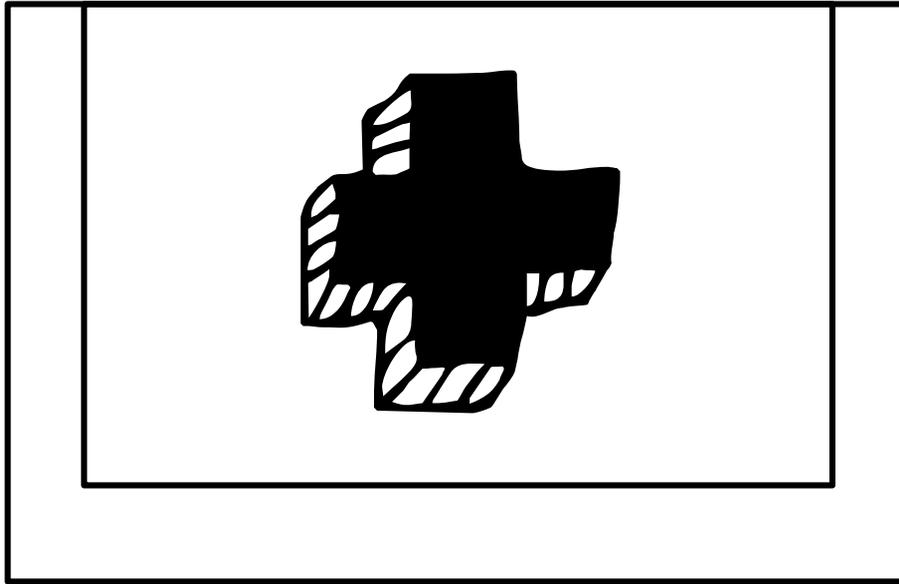
product of	less than
quotient of	divided by
sum of	multiplied by
difference	more than
added to	divide ____ by ____
subtracted from	____ groups of ____

Answer Key

Add	Subtract	Multiply	Divide
sum of	difference	product of	quotient of
added to	subtracted from	multiplied by	divided by
more than	less than	_____ groups of _____	divide ____ by ____

Directions: Cut the pockets out on the outer line. Glue the narrow edges on the sides and bottom to form a pocket. (Do not glue the top closed). Sort the slips on the next page into the correct pocket based on what operation is needed to solve the problem. Then solve the problem.

Add

Subtract

Multiply

Divide

5.NBT.7

Cecilia saved money for a new bike. She saved $12.56 each week for four weeks. How much money did she save in all? A.	Micaela has two pencils. One measures 5.25 inches and the other measures 4.75 inches. Determine the difference in the two lengths. B.
A team of eight track athletes prepare each day by running. They run 7.65 miles each day. How many miles are run by all of the track athletes in a day? C.	Kayla spent some money on snacks at the movies. She bought a popcorn combo for $8.99 and a chocolate candy snack for $2.15. How much money did she spend on both snacks? D.
A pastry chef has 4.5 pounds of buttercream frosting. She decides to store it in 1.5 pound containers to freeze. How many containers will she need to store the frosting? E.	Jayson keeps track of the time it takes him to complete a science project. He spends 1.2 hours preparing his hypotheses and conducting research. He spends 0.75 of an hour testing his hypotheses. Finally, he spends 2.4 hours analyzing his data and writing his conclusion. How long did Jayson spend on his project? F.
Four sisters decide to evenly split a Mother Day's gift for their mother. The cost of the gift is $54.64. How much will each sister pay? G.	Diego spent $4.32 at the school store. He paid with a five dollar bill. How much change did he get back? H.
An electrician needs 6.5 feet of wire. He already has 3.85 feet of wire. How much more wire does he need? I.	Rusty's dog eats 1.75 cups of food each day. His cat, on the other hand, eats 0.5 of what his dog eats. How much does Rusty's cat eat? J.

5.NBT.7

Answer Key

Add	Subtract	Multiply	Divide
D= $11.14	B= 0.05 of an inch	A= $50.24	E= 3 containers
F= 4.35 hours	H= $0.68	C= 61.2 miles	G= $13.66
	I= 2.65 feet	J= 0.875 of a cup	

Optional Recording Sheets

If you choose to use these sorts as a center activity, I have included generic recording sheets for you to use. Choose the recording sheet based on the number of pockets for the sort. (For example: a 2 pocket sort would work with the 2 column table recording sheet).

Recording Sheet

Name: _____ Date: _____

Recording Sheet

Name: _____

Recording Sheet

Name: _____ Date: _____

Recording **Sheet**

Name: _____ Date: _____

Recording Sheet

Name: _____ Date: _____

Recording Sheet

Name: _____ Date: _____

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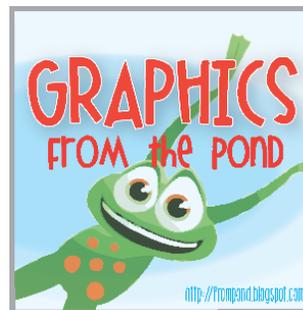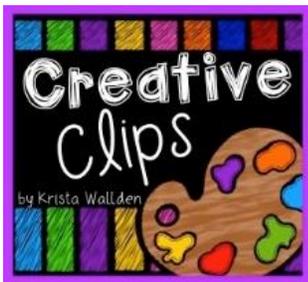

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Thanks!
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