

Multiply 3 Digits by 1 Digit

4. Order these calculations from smallest to largest according to their answers.

Hundreds	Tens	Ones
● ● ● ● ●	●●●● ●●●● ●●●● ●●●●	

Hundreds	Tens	Ones
●●●● ●●●● ●●●●		●●●● ●●●● ●●●● ●●●●

Hundreds	Tens	Ones
●● ●● ●● ●●	●●● ●●● ●●● ●●●	●●●● ●●●● ●●●● ●●●●

A.

	1	4	0
x			6

B.

	5	0	6
x			3

C.

	2	3	4
x			4



VF
HW/Ext

5. Which calculation is the odd one out?

Hundreds	Tens	Ones
●●● ●●● ●●● ●●●		●●●● ●●●● ●●●● ●●●●

Hundreds	Tens	Ones
●● ●● ●● ●●	●●●● ●●●● ●●●● ●●●●	●●●● ●●●● ●●●● ●●●●

Hundreds	Tens	Ones
●●●● ●●●● ●●●●	●●●● ●●●● ●●●●	

A.

	3	0	4
x			4
1	2	1	6

1

B.

	2	5	3
x			5
1	2	6	5

2 1

C.

	5	4	0
x			3
1	6	2	3

1



VF
HW/Ext

6. Adam thinks that both of the multiplications below are correct.

	4	7	5
x			4
1	9	0	0

3 2

	4	8	5
x			3
1	4	9	1

2 5

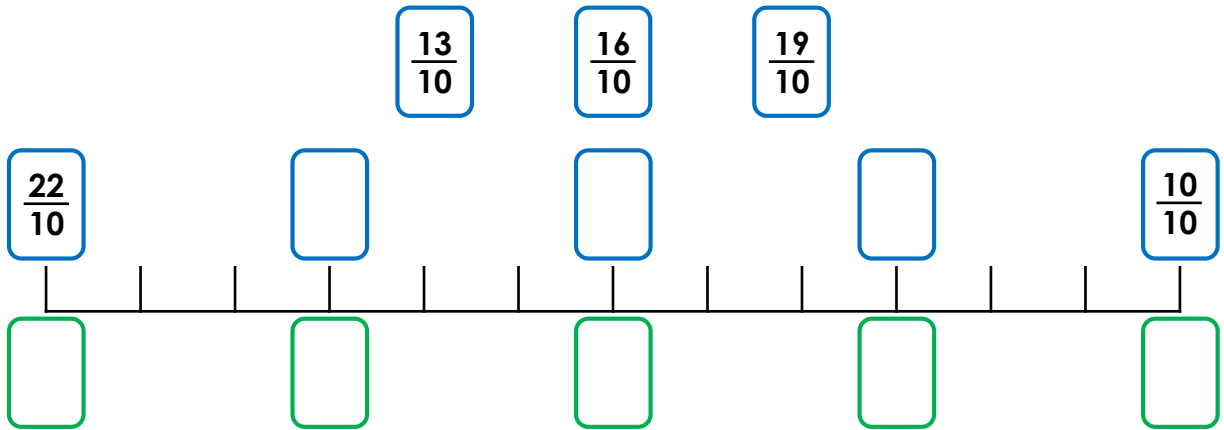
Do you agree? Explain your answer.



RPS
HW/Ext

Count in Fractions

4. Use the fraction cards to complete the top of the number line.

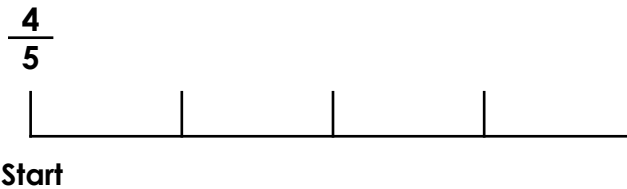


Now complete the bottom of the number line using mixed numbers.



VF
HW/Ext

5. A fraction sequence starts at $\frac{4}{5}$ and increases by $\frac{2}{5}$ each time.



What is the fifth number in the sequence?



VF
HW/Ext

6. Vincent is thinking of a fraction sequence.



My sequence starts with a mixed number
between 1 and 2.

The number increases by $\frac{2}{7}$ each time.

Write the first four fractions in Vincent's sequence. Find a second possibility.

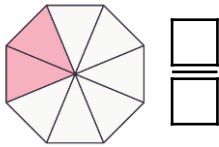


RPS
HW/Ext

What is a Fraction?

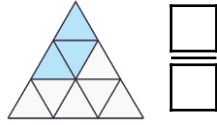
4. Shade and complete the shapes to represent the fractions below.

A.



$$\frac{5}{12}$$

B.



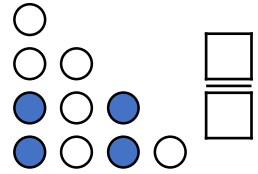
$$\frac{6}{8}$$

C.



$$\frac{7}{10}$$

D.



$$\frac{8}{9}$$

Write the correct fraction next to each shape.

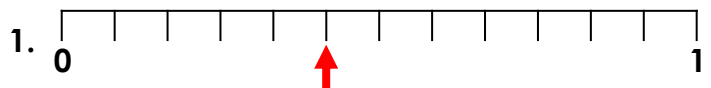


VF
HW/Ext

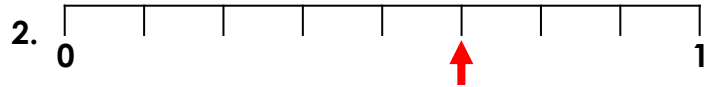
5. Match the number lines to the representations.

A.

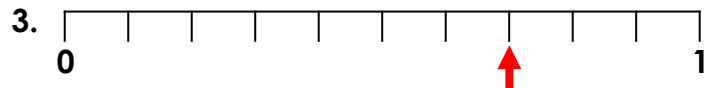
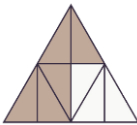
Out of 10 dogs, 7 are brown.



B.



C.



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HW/Ext

6. Sally and Boris are discussing the fraction represented below.



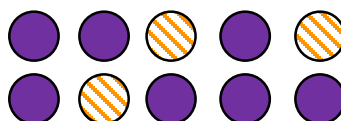
Boris

I think the fraction is $\frac{7}{10}$.



Sally

I think the fraction is $\frac{3}{10}$.



Who is correct? Explain your reasoning.



RPS
HW/Ext

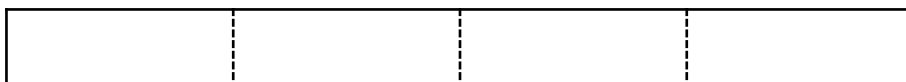
Equivalent Fractions 1

4. Use the bar models to help you find the equivalent fractions.

A. $\frac{1}{4} = \frac{\square}{\square}$

B. $\frac{9}{12} = \frac{\square}{\square}$

C. $\frac{2}{4} = \frac{\square}{\square}$



VF
HW/Ext

5. Match each fraction to the equivalent shaded fraction.

A. $\frac{2}{3}$

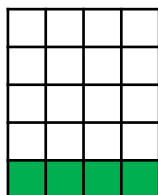
B. $\frac{2}{12}$

C. $\frac{1}{5}$

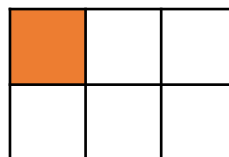
1.



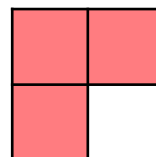
2.



3.



4.



Which image is the odd one out? Write an equivalent fraction for it.



VF
HW/Ext

6. Anwar and Alisha are discussing Matilda's fraction which is written below.



Anwar

My denominator is twice that of Matilda's. My numerator is the same as Matilda's.

$\frac{1}{2}$

My numerator is four times bigger than Matilda's and my denominator is twice that of Anwar's.



Alisha

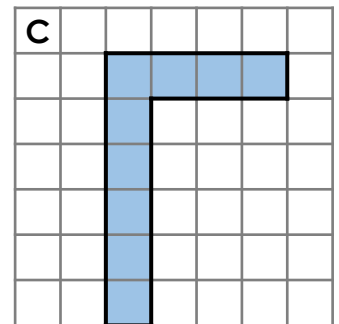
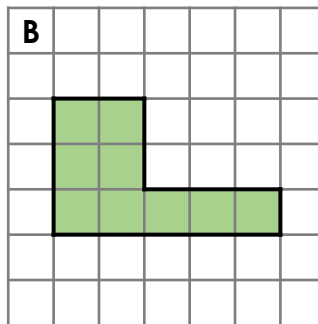
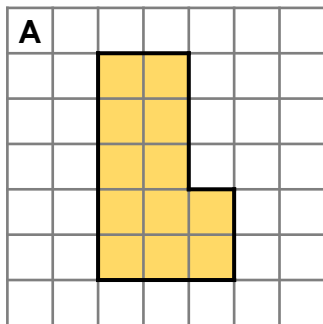
Whose fraction is equivalent to Matilda's? Explain how you know.



RPS
HW/Ext

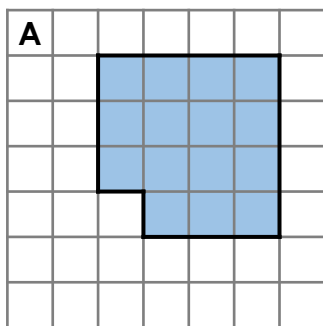
Comparing Area

4. Find the two shapes below with the same area.

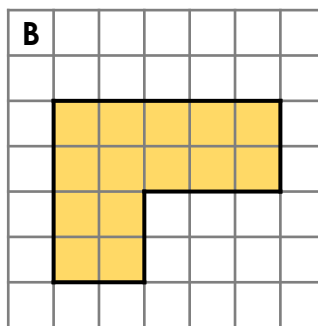


VF
HW/Ext

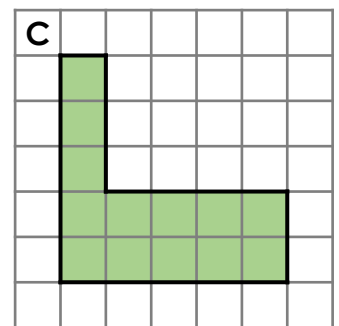
5. Which two shapes below must swap places for the inequality symbols to be correct?



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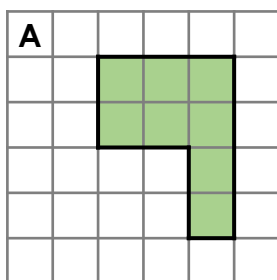


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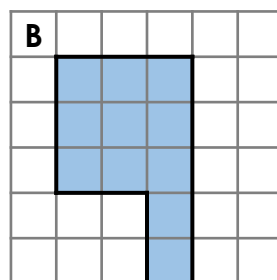


VF
HW/Ext

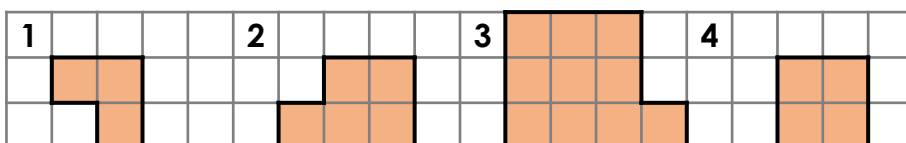
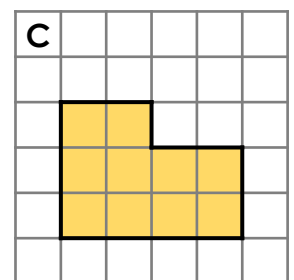
6. Add a set of the extra squares below to each shape to make the inequality symbols correct. You can only use a set of extra squares once. They cannot be rotated.



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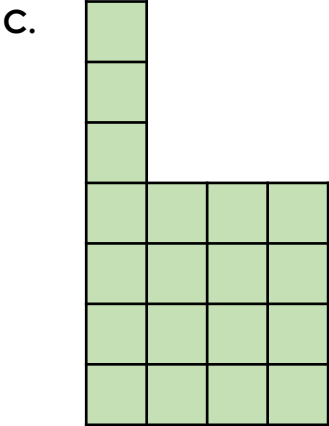
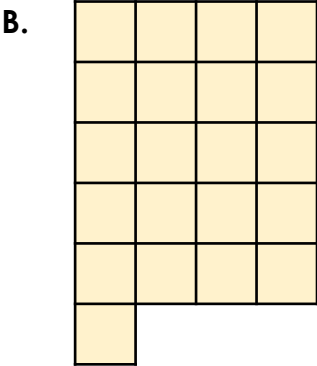
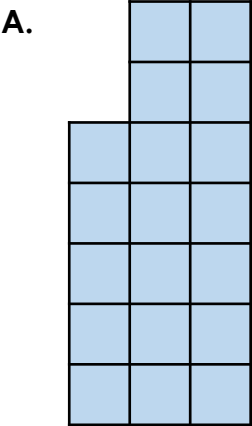
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RPS
HW/Ext

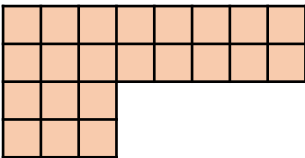
Counting Squares

4. Count the squares in the shapes below to find the odd one out. Circle your answer.

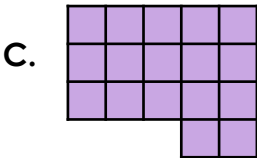
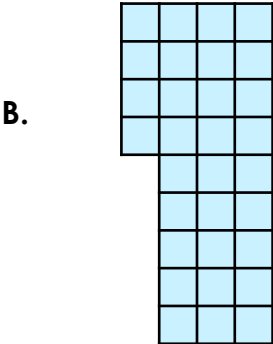
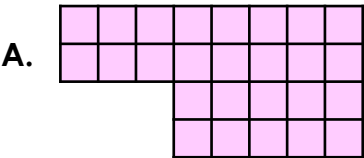


VF
HW/Ext

5. Tick the shape that will make the statement correct.



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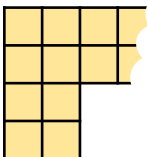
VF
HW/Ext

6. Harrison and Layla have each made a 6-sided, rectilinear shape. They are discussing the areas of their starting shapes after the paper was accidentally ripped!



Harrison

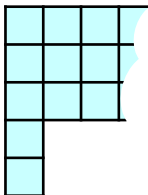
My paper had the largest area because it was 1 square wider shape than Layla's.



My paper had the largest area because it has an area of 23.



Layla



Who is correct? Convince me.



RPS
HW/Ext

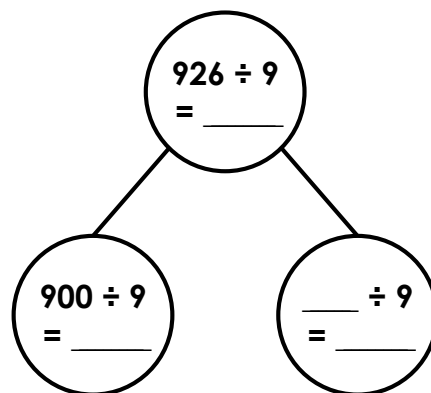
Divide 3 Digits by 1 Digit

4. Suzy has solved the calculation $926 \div 9$ using a part-whole model.

She says,



My answer has no remainder.

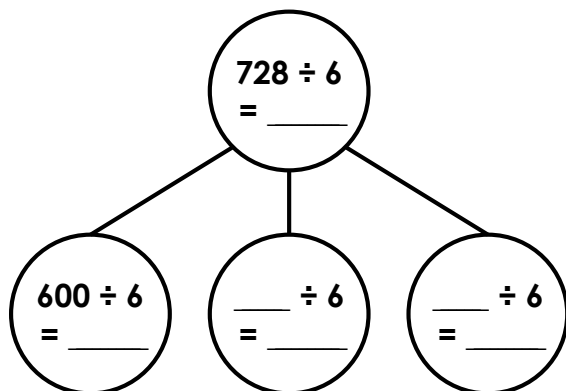


Find and correct Suzy's mistake.



VF
HW/Ext

5. Compare the two division models by adding $<$, $>$ or $=$ to the box.



$736 \div 6$

H	T	O
100	10 10	1 1
100	10 10	1 1
100	10 10	1 1
100	10 10	1 1
100	10 10	1 1
100	10 10	1 1

1
1
1
1

100 Exchanged for 10 tens and shared equally.



VF
HW/Ext

6. Navdeep is comparing the following calculations. He writes the statement below.



Calculation B is the odd one out because it has 26 in the answer.

A. $219 \div 9 =$

B. $159 \div 6 =$

C. $170 \div 7 =$

Do you agree with Navdeep? Explain your answer.



RPS
HW/Ext