

# Everyday Mathematics

## Grade 4

## Unit 10

Name: \_\_\_\_\_

1. Draw a shape that has no lines of symmetry.

\_\_\_\_\_

2. Draw a shape that has exactly 1 line of symmetry. Draw the line of symmetry.

\_\_\_\_\_

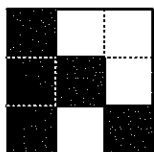
3. Draw a shape that has exactly 2 lines of symmetry. Draw the lines of symmetry.

\_\_\_\_\_

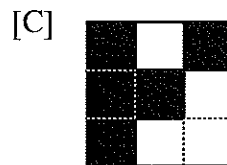
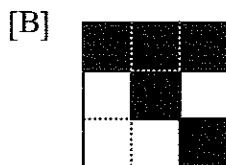
4. Draw a shape that has more than two lines of symmetry. Draw the lines of symmetry.

\_\_\_\_\_

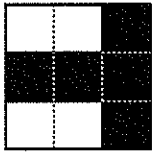
5. Which figure below is a translation (slide) of the original figure?



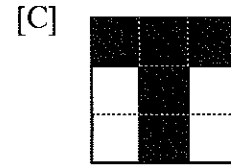
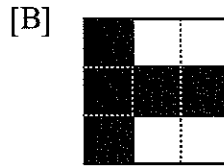
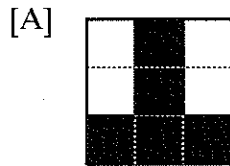
Original



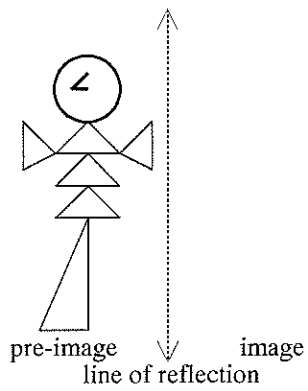
6. Which figure below shows the original figure rotated (turned) counterclockwise  $\frac{1}{4}$  turn?



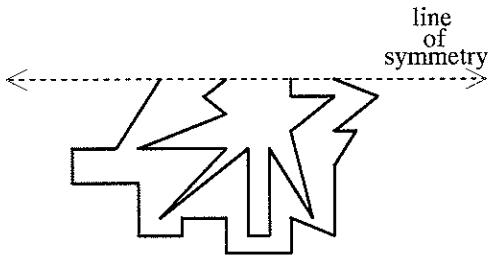
Original



- 
7. Use a transparent mirror to draw the reflection of the pre-image.



8. Use a transparent mirror to draw the other half of the figure across the line of symmetry.



9. Fill in the table of equivalent fractions, decimals, and percents.

Fraction	Decimal	Percent
$\frac{1}{4}$		
	0.75	
		60%
	0.10	
		90%
$\frac{6}{6}$		

10. Add or subtract.

a.  $\underline{\hspace{2cm}} = \frac{2}{5} + \frac{3}{5}$

b.  $\underline{\hspace{2cm}} = \frac{2}{3} + \frac{2}{3}$

c.  $\frac{3}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$

d.  $\frac{2}{5} - \frac{1}{5} = \underline{\hspace{2cm}}$

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11. Add or subtract.

a.  $\frac{1}{20} + \frac{1}{6}$

b.  $1\frac{1}{8} + \frac{15}{16}$

c.  $1\frac{54}{55} - \frac{1}{9}$

d.  $\frac{6}{5} - \frac{1}{4}$

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12. Add.

$3 + 9$

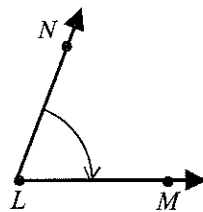
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13. Miss Paul had \$50.90 in her saving account. She withdrew \$10.39. A week later, she deposited \$10.05. What is the new balance in her saving account? Write a number model to show what you did.

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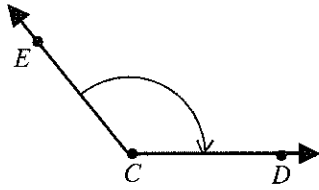
Measure each angle below as accurately as you can. From the following, choose the type for each angle: acute, right, obtuse, straight, or reflex.

14.



Measure each angle below as accurately as you can. From the following, choose the type for each angle: acute, right, obtuse, straight, or reflex.

15.



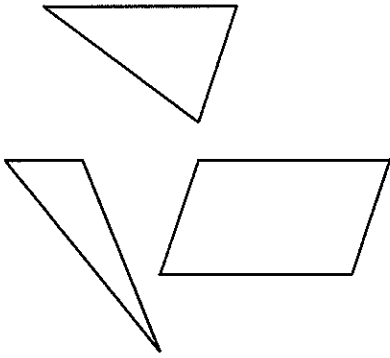
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16. Locate the position of the decimal point in the quotient.  
 $5185 = 259.25 \div 5$

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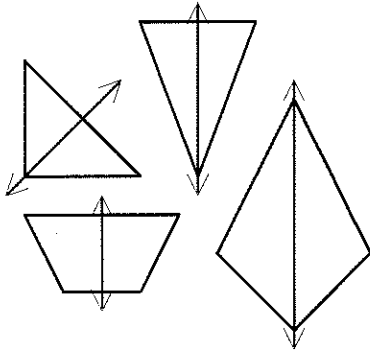
17. Locate the position of the decimal point in the product.  
 $252 * 54 = 13608$

Sample answers:



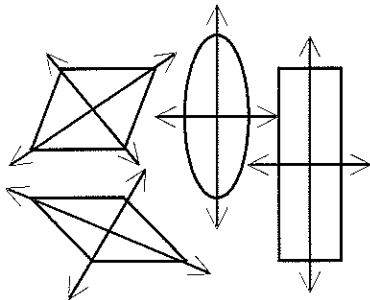
[1]

Sample answers:



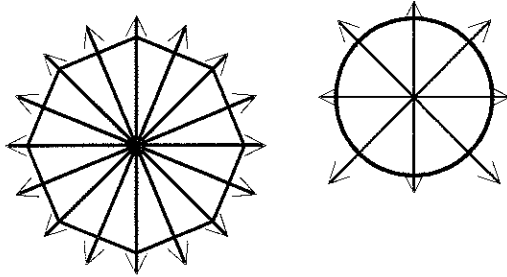
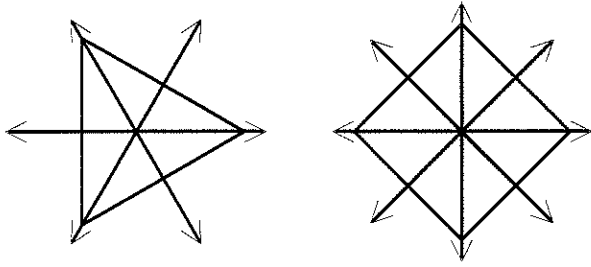
[2]

Sample answers:



[3]

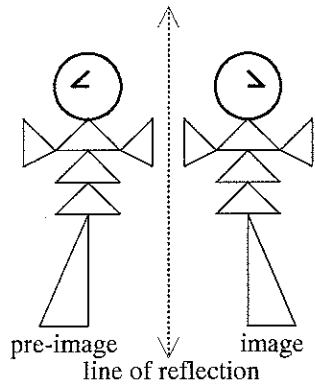
Sample answers:



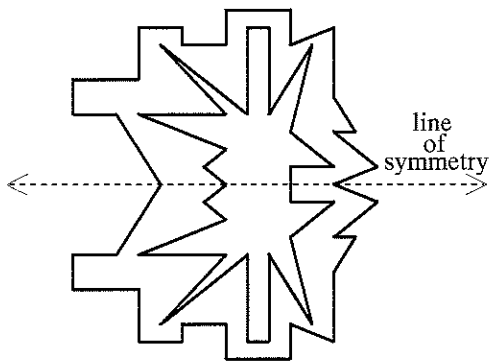
[4] \_\_\_\_\_

[5] [A] \_\_\_\_\_

[6] [C] \_\_\_\_\_



[7] \_\_\_\_\_



[8]

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Fraction	Decimal	Percent
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{3}{5}$	0.60	60%
$\frac{1}{10}$	0.10	10%
$\frac{9}{10}$	0.90	90%
$\frac{6}{6}$	1.00	100%

[9]

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- a. 1
- b.  $\frac{4}{3}$
- c.  $\frac{2}{3}$
- d.  $\frac{1}{5}$

[10]

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a.  $\frac{13}{60}$

b.  $2\frac{1}{16}$

c.  $1\frac{431}{495}$

[11] d.  $\frac{19}{20}$   
\_\_\_\_\_

[12] 12  
\_\_\_\_\_

Answer: \$50.56

[13] Number model:  $(\$50.90 - \$10.39) + \$10.05 = \$50.56$   
\_\_\_\_\_


[14]  $\angle NLM$ :  $69^\circ$ ; angle type: acute  
\_\_\_\_\_

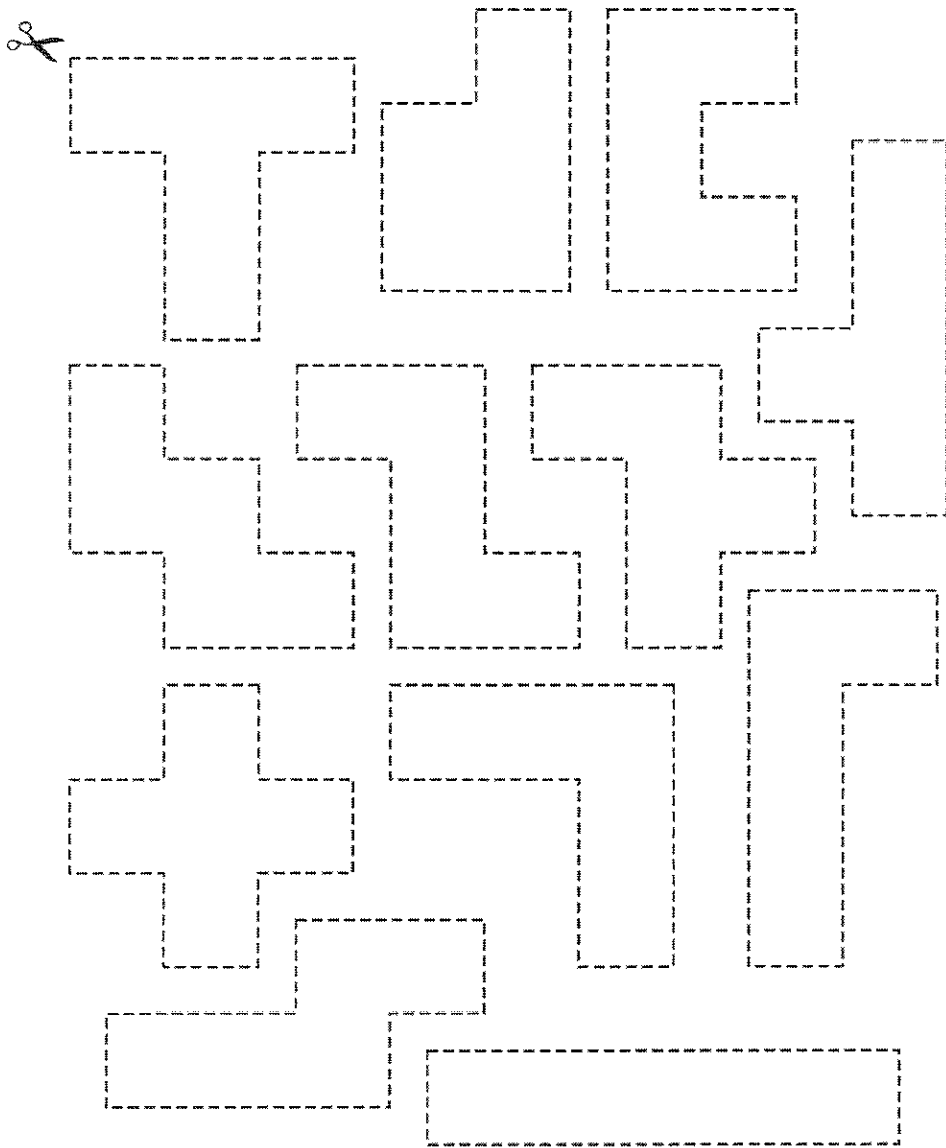
[15]  $\angle ECD$ :  $129^\circ$ ; angle type: obtuse  
\_\_\_\_\_

[16] 51.85  
\_\_\_\_\_

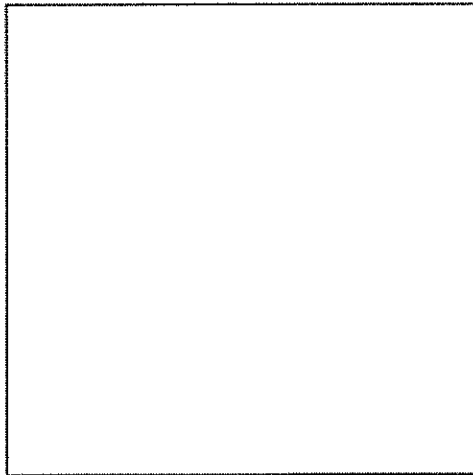
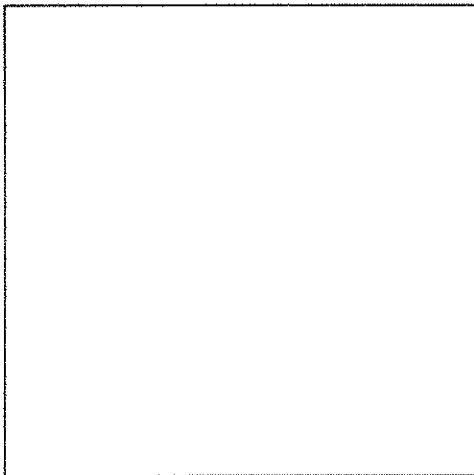
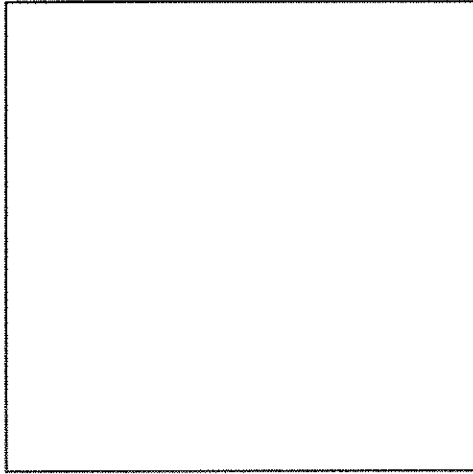
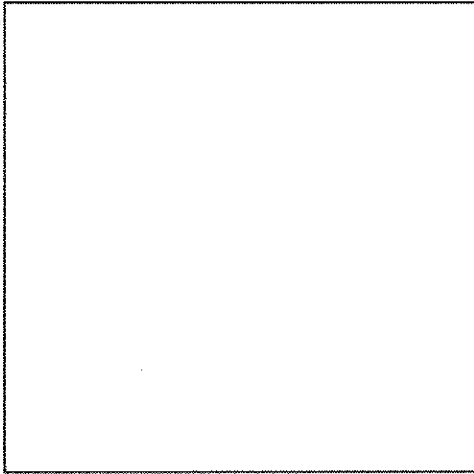
[17] 136.08  
\_\_\_\_\_


# 1. Pentominoes

a. Cut out the pentominoes below. Use them to cover the squares below in different ways. You must use  in each of your solutions. Record your solutions by tracing the pentominoes.

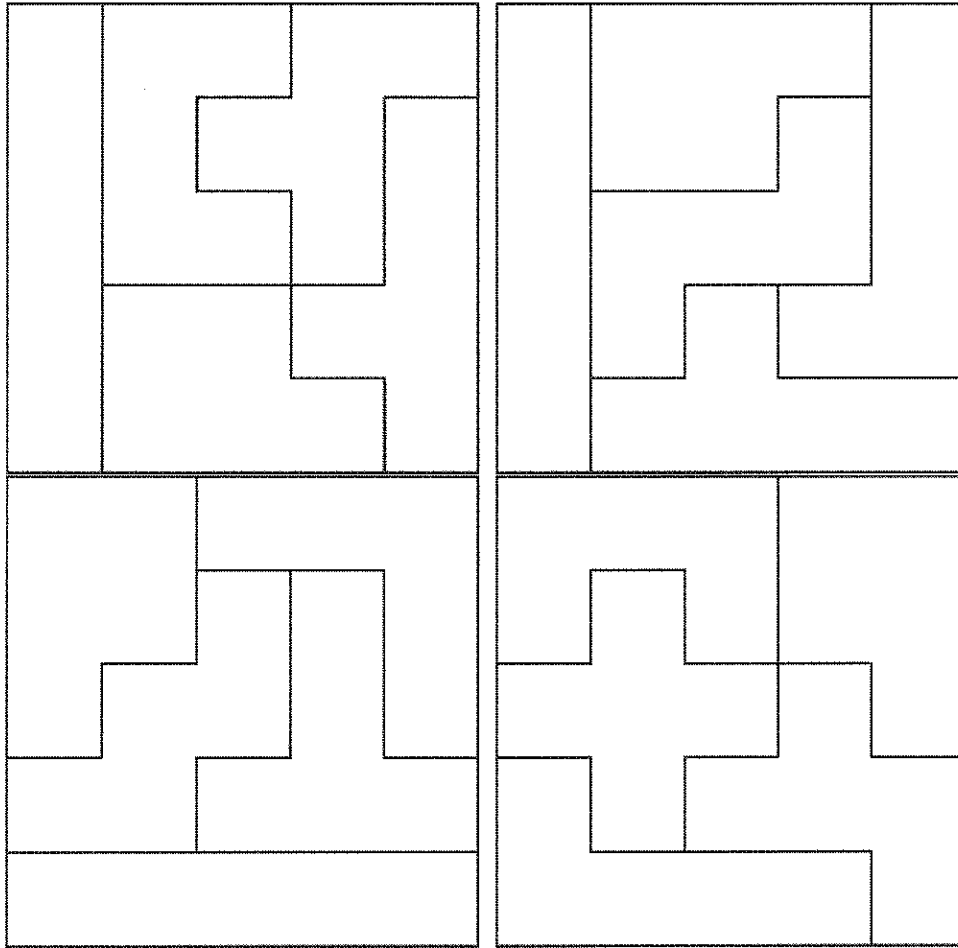


(1.)



b. Explain the strategy you used to position  in your solutions. Include the words *flip*, *slide*, and *turn* in your explanations.

Sample answer: a. See illustration below. Figures are not exactly to scale, but they should be in the TAA.



b. First, I placed it in the center along the bottom. Then, I flipped it so it was in the center along the top. After that, I rotated it 90 degrees clockwise and slide it to the right corner.

[1] Then I flipped it again to put it in the left corner.

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