

Worksheet For: «Name»		Student ID: «StudentID»		WS ID:«WSID»
Date:		Start time:	End time:	
Overall %:	Score obtained: (Section Wise)	<b>Operations</b>	<b>Mixed Review</b>	<b>Critical Thinking</b>
		_____ of 12	_____ of 10	_____ of 6

**Math Operations (Decimal): Multiply or divide by multiple of 10 and write the number:**

1.  $248.321 \div 1000 =$

2.  $915.2546 \div 1000000 =$

3.  $68.826 \div 100 =$

4.  $22.6978 \div 100 =$

5.  $805.6 \times 10000 =$

6.  $360.167 \times 1000 =$

7.  $721.3 \div 10000 =$

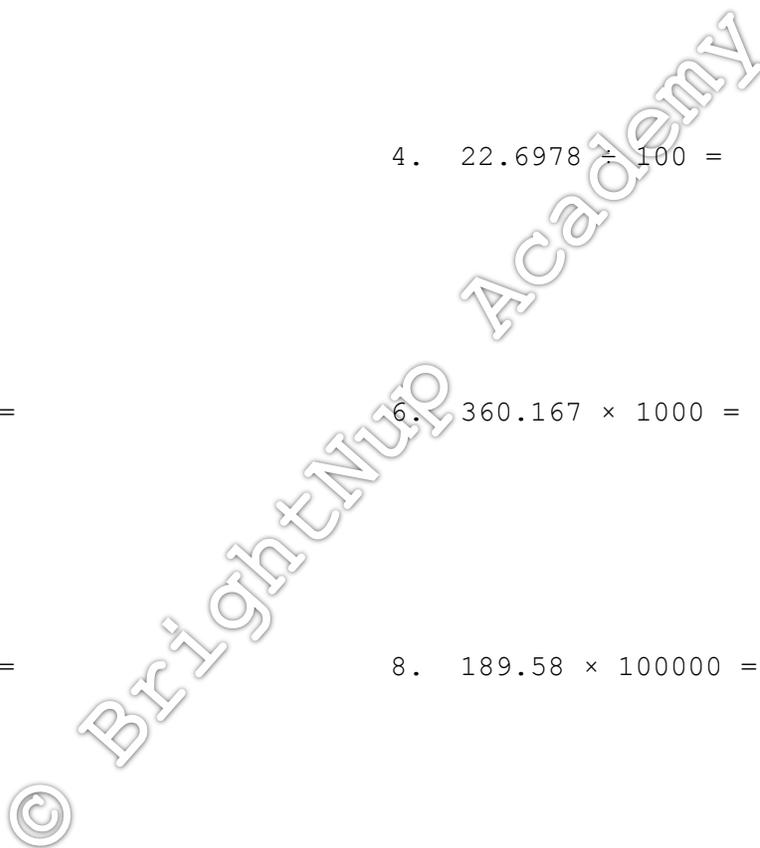
8.  $189.58 \times 100000 =$

9.  $721.5531 \times 1000 =$

10.  $765.25 \div 1000 =$

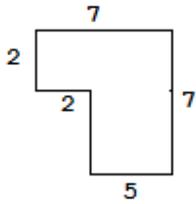
11.  $561.16 \times 10000 =$

12.  $426.69 \times 10 =$

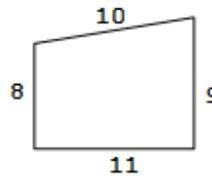


**Math Mixed Review (Geometry):**

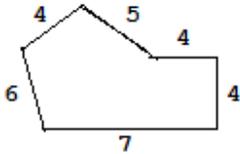
1-4. Find the perimeter of the following polygons:



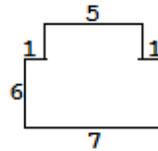
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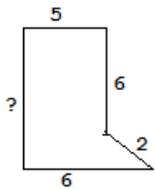


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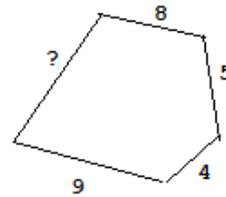
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5-8. Calculate the length of the unknown side of the polygons and the circle the option letter that shows the correct length of the unknown side. One is done for you:



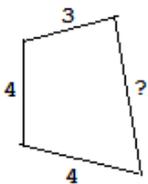
- a) 8  
b) 7  
c) 6  
d) 5

Perimeter = 27



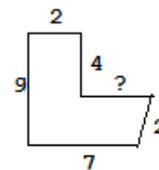
- a) 14  
b) 10  
c) 12  
d) 9

Perimeter = 40



- a) 6  
b) 8  
c) 10  
d) 12

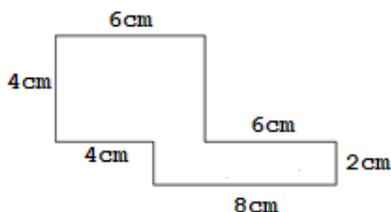
Perimeter = 21



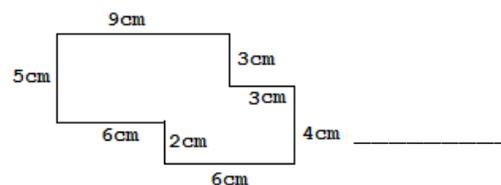
- a) 7  
b) 6  
c) 9  
d) 10

Perimeter = 30

9-10. Find the area of these figures:



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**Problem Solving and Critical Thinking:**

1-2. Erica earns \$75,000 a year. She pays 10% tax on the first \$15,000 of her income, 15% on the amount over \$15,000 and less than or equal to \$50,000 and 25% on the amount more than \$50,000. How much tax does Erica pay on her yearly earnings?

2. On average, what percent tax does Erica pay on her yearly income?

3. Natasha bought a sweater from a store for \$60 and paid \$63 after the tax. She then bought another sweater for her mom for \$80. If she paid the same amount of tax on her mom's sweater, how much did Natasha pay for her mom's sweater after the tax?

4. Pit is 4 ft and 2 inches tall. He went to an amusement park last week and could not take a ride since he was not tall enough for the ride. Pit's elder brother is 4 ft 11 inches tall and was 3 inches taller than the minimum height for the ride. What percent Pit must grow to take the ride?

**B** 5-6. A new store opened in the Ebb's shopping plaza. On the opening day, every item is 30% off and also, the store was giving a special shopping pass to 1 of every 4 customers. 40% of the shopping pass had a special hidden scratch code that gave customers an additional 5% off on every item. 500 customers shopped in the new store on the opening day. How many customers received additional 5% discount?

**B** 6. Erica was one of the lucky customers who got the shopping pass with the special hidden scratch code. She bought an item, the original price of which was \$65. How much did Erica pay for the item? Assume that there was not tax on the item.