

# ALEKS<sup>®</sup> Detailed Quiz Results

Kai Wayne - Mathematics - LV 5 (with QuickTables)

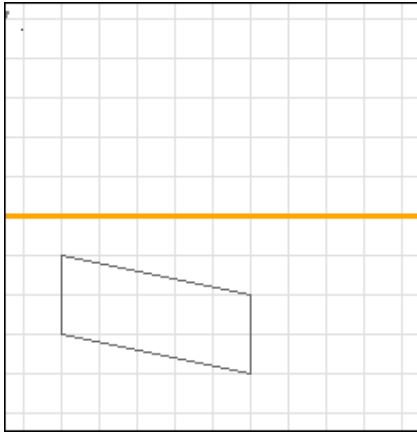
Quiz Name: Quiz 3  
Date Submitted: 10/21/2011

Score: 89%  
Grade: B

Questions	Result	Points
1. Introduction to reflections	Incorrect	0 of 1
2. Describing data patterns	Correct	1 of 1
3. Fraction division	Correct	1 of 1
4. Writing an improper fraction as a mixed number	Correct	1 of 1
5. Addition or subtraction of mixed numbers with same denominator	Correct	1 of 1
6. Introduction to inequalities	Correct	1 of 1
7. Area of a parallelogram	Correct	1 of 1
8. Writing a signed number for a real-world situation	Correct	1 of 1
9. Introduction to converting a fraction to a decimal	Not answered	0 of 1
10. Writing an improper fraction as a mixed number	Correct	1 of 1
11. Tenths and hundredths decimal place value	Correct	1 of 1
12. Multiplication with trailing zeros: Problem type 2	Correct	1 of 1
13. Division involving quotients with intermediate zeros	Correct	1 of 1
14. Volume of a solid made of unit cubes	Correct	1 of 1
15. Finding the missing length in a figure	Correct	1 of 1
16. Introduction to exponents	Correct	1 of 1
17. Writing a mathematical expression	Correct	1 of 1
18. Addition of large numbers	Correct	1 of 1
19. Introduction to congruence	Correct	1 of 1
	<b>17/19 Correct</b>	<b>17/19 Points</b>

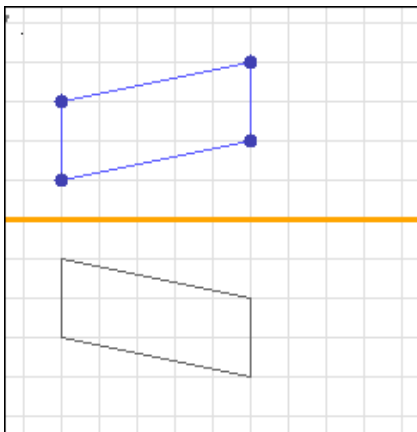
## Question 1 - Introduction to reflections

Q: Draw the reflection of the figure over the line shown.



**A:** You answered incorrectly.

The correct answer is:



## Question 2 - Describing data patterns

**Q:** The table below shows how long a copier took to make copies.

1 copy	12 seconds
2 copies	18 seconds
3 copies	24 seconds
4 copies	30 seconds

Fill in the blanks below.

Each additional copy  the time by  seconds.

**A:** You answered correctly:

Each additional copy **increased** the time by **6** seconds.

### Question 3 - Fraction division

**Q:** Divide. Write your answer as a fraction in simplest form.

$$\frac{5}{8} \div \frac{7}{12}$$

**A:** You answered correctly:

$$\frac{15}{14}$$

### Question 4 - Writing an improper fraction as a mixed number

**Q:** Rewrite  $\frac{29}{8}$  as a mixed number.

**A:** You answered correctly:

$$3\frac{5}{8}$$

### Question 5 - Addition or subtraction of mixed numbers with same denominator

**Q:** Add. Write your answer as a mixed number in simplest form.

$$8\frac{2}{5} + 4\frac{2}{5}$$

**A:** You answered correctly:

$$12\frac{4}{5}$$

### Question 6 - Introduction to inequalities

**Q:** Use  $<$ ,  $>$ , or  $=$  to compare the numbers.

$$7 \square 12$$

$$78 \square 72$$

$$60 \square 396$$

$$399 \square 420$$

**A:** You answered correctly:

$$7 < 12$$

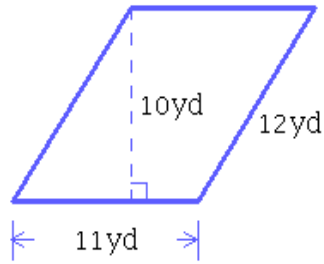
$$78 > 72$$

$$60 < 396$$

$$399 < 420$$

### Question 7 - Area of a parallelogram

**Q:** Find the area of this parallelogram. Be sure to include the correct unit in your answer.



**A:** You answered correctly:

$$110\text{yd}^2$$

### Question 8 - Writing a signed number for a real-world situation

**Q:** Fill in the blanks below.

- (a) Kala's test score average decreased by 4 points this semester.  
Write a signed number to represent this change in average.

points

- (b) The population of a certain city increased by 34,000 people.  
Write a signed number to represent this population change.

people

**A:** You answered correctly:

- (a) Kala's test score average decreased by 4 points this semester.  
Write a signed number to represent this change in average.

-4 points

- (b) The population of a certain city increased by 34,000 people.  
Write a signed number to represent this population change.

34,000 people

### Question 9 - Introduction to converting a fraction to a decimal

Q: Write  $\frac{47}{1000}$  as a decimal.

A: You did not provide any answer.

The correct answer is:

0.047

### Question 10 - Writing an improper fraction as a mixed number

Q: Write  $\frac{11}{6}$  as a mixed number.

A: You answered correctly:

$1\frac{5}{6}$

### Question 11 - Tenths and hundredths decimal place value

Q: Give the digits in the ones place and the hundredths place.

38.17

A: You answered correctly:

ones: 8

hundredths: 7

### Question 12 - Multiplication with trailing zeros: Problem type 2

Q:

Multiply.

$$26 \times 900$$

A:

**You answered correctly:**

23,400

### Question 13 - Division involving quotients with intermediate zeros

Q:

Divide.

$$16,247 \div 4$$

Quotient:

Remainder:

A:

**You answered correctly:**

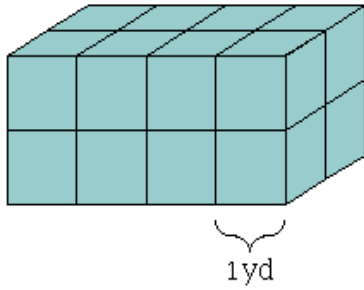
Quotient: 4,061

Remainder: 3

### Question 14 - Volume of a solid made of unit cubes

Q:

The solid below is made from cubes.  
Find its volume.



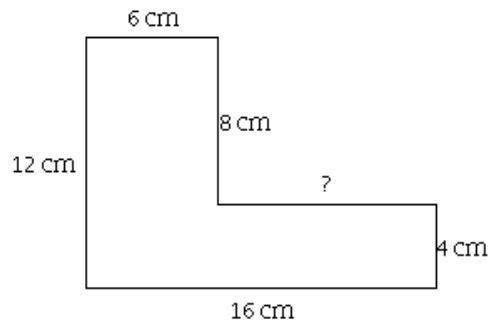
**A:** You answered correctly:

$$16 \text{ yd}^3$$

#### Question 15 - Finding the missing length in a figure

**Q:** Find the missing side length.

Assume that all intersecting sides meet at right angles.  
Be sure to include the correct unit in your answer.



**A:** You answered correctly:

$$10 \text{ cm}$$

#### Question 16 - Introduction to exponents



Q: Evaluate.

$$3^3$$

A: You answered correctly:

27

### Question 17 - Writing a mathematical expression

Q: Write an algebraic expression to answer the question below.

If one pen costs  $d$  dollars, what is the cost, in dollars, of 9 pens?

A: You answered correctly:

$9d$

### Question 18 - Addition of large numbers

Q: Add.

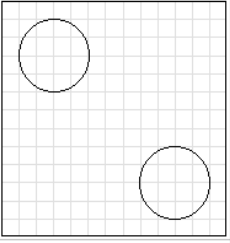
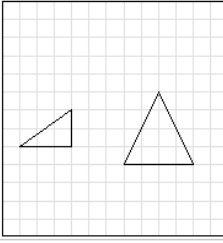
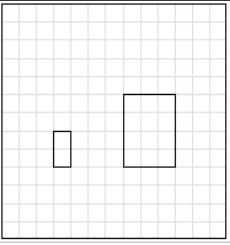
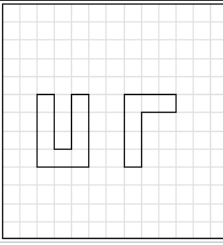
$$\begin{array}{r} 247 \\ 45 \\ + 4872 \\ \hline \end{array}$$

A: You answered correctly:

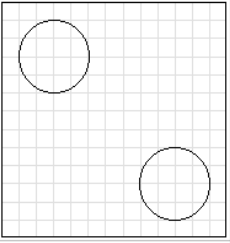
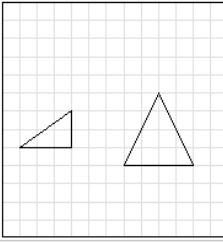
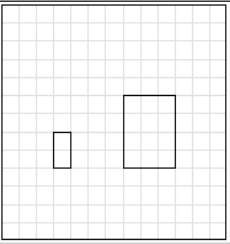
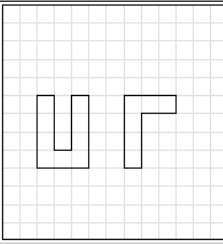
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### Question 19 - Introduction to congruence

**Q:** Which pairs of figures below are congruent?

		
Congruent?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
		
Congruent?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

**A:** You answered correctly:

		
Congruent?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
		
Congruent?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No