Name:				Date:		
School:						
School B	oard:					
<u>Aptitude</u>	e Test					
	e correct a s provided		followin	ng questions below.	Refer to the	
	-	studs would yo Ids spaced 16 i			is 8 feet high and 12	
a. 3	b. 6	c. 9	d. 12			
	angular lo e feet? (1 <sub>1</sub>		feet by	80 feet. What is the	total area of the lot	
a. 2,800 sq. ft. b. 3,000 sq.		ı. ft.	c. 3,800 sq. ft.	d. 4,000 sq. ft.		
-				feet and a height o	f 10 feet. What is the ole number.) (2pts)	
a. 1131 (	cb. Ft.	b. 2113 cb.	. ft.	c. 1150 cb. ft.	d. 4524 cb. ft.	

4. What is the slope of a roof that rises 8 feet over a horizontal distance of 16 feet? (Express your answer as a ratio.) (1pt)

a. 8:16

b. 2:4

c. 1:3

d. 1:2

=		How many colle number.) (	-	f concrete will they	need? (Round to
a. 45 cb. Yd.		b. 11 cb	. Yd.	c. 518,400 cb. yd	d. 1 cb. yd.
6. If a w hours? (		n install 12 til	es in 1 hour	, how many tiles ca	n they install in 6
a. 50	b. 60	c. 72	d. 74		
	_		_	B feet. How many s by 10 feet? (1 pt)	heets of drywall will
a. 4	b. 3	c. 5	d. 6		
\$30 per	hour for	-	al hours, ho	first 40 hours of wo w much will they e	
a. \$1500	)	b. \$2000	c. \$3100	d. \$1100	
	h tool we el? (1 pt)	-	o measure	the length of a boa	rd: a tape measure
a. Tape	Measure	b. Level			
-		-	-	r gallon. How many by 20 feet with 8-f	gallons of paint will oot ceilings? (2pts)
a. 2.2 Ga	allons	b. 3.1 G	allons	c. 1.5 Gallons	d. 1.4 Gallons

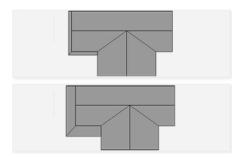
5. A construction crew needs to pour a concrete slab that measures 20 feet by 30

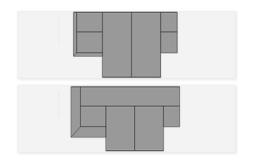
11. A construction worker needs to install 24 light fixtures that are spaced 4 feet apart. How long is the line of fixtures? (1pt)							
a. 86 feet	b. 96	feet	c. 100 feet	d. 102 fee	t		
-	enter needs d each piec			eet long int	o 6 equal pieces. How		
a. 1′ – 3″	b. 1'-	2"	c. 2'-0"	d. 1'-6"			
13. A concrete block measures 8 inches by 8 inches by 16 inches. How many blocks will be needed to build a wall that is 10 feet high by 8 feet wide? (2pts)							
a. 85	b. 90	c. 92	d. 96				
14. A contractor needs to order 100 cubic yards of gravel. How many truckloads will be needed if each truck can carry 10 cubic yards of gravel? (1pt)							
a. 20	b. 40	c. 10	d. 30				
15. A concrete truck can discharge concrete at a rate of 10 cubic yards per hour. How long will it take to discharge 50 cubic yards of concrete? (1pt)							
a. 3 Hours	b. 2 F	lours	c. 5 Hours	d. 6 Hours			
16. Fill in the blanks that follow this pattern. 3, 7, 2, 6, 14, 4, 9, 21, 6,,,							
(1pt)		24.6	45.20.6		. 42 20 0		
a. b, 28, 8,	b. 12,	, 24, b,	c. 15, 26, 8	5,	d. 12, 28, 8,		
17. Find the missing number 32,, 48, 56 (1pt)							

a. 44 b. 34 c. 40 d. 36

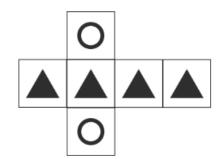
## 18. Circle which plan depicts the rooftop of the house above? (2pts)







- 19. At a store, washers cost 45 cents per ounce. If \$9.00 is spent, how many washers were purchased? (2pts)
- a. 15
- b. 20
- c. 200
- d. 2
- 20. Indicate which cube cannot be made based on the unfolded cube? (2pts)





## **Formulas and Conversions**

1 foot = 0.3048 meters

1 inch = 2.54 centimeters

12 inches = 1 foot

3 feet = 1 yard

1 yard = 0.9144 meters

Volume of Cube = Length x Width x Height Volume of Cylinder =  $\pi$  x radius <sup>2</sup> x Height Area = Length x Width