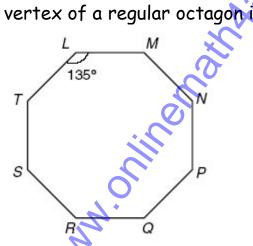
	1. Pedro bought a 2-liter bottle of soda. What is the volume of the bottle in milliliters?	
	(a) 20,000 mL (c) 200 mL	
NANO.	(b) 2,000 mL (d) 20 mL	7.01
M	2. John is going to make three kinds of cookies. He will need 7/3 cups flour for the first kind, 9/4 cups flour for the second kind, and 10/3 cups flour for the third kind. How much flour does John need for all three kinds of cookies?	
	(a) 97/12 (c) 17/3	
	(b) 95/12 (d) 67/12	
hunion	(b) 95/12 (d) 67/12 (l)	Modification of the second of

3. The angle at each vertex of a regular octagon is 135°.



Why of the control of ragon? What type of angle is at each vertex of a regular octagon?

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De of angle is a Detuse (b) Right (continue)

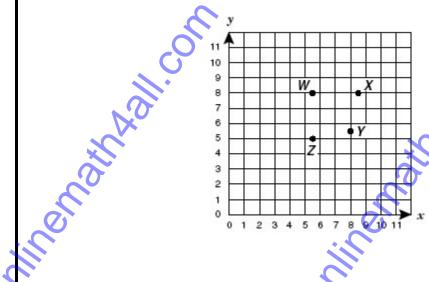
4. Bob's Lunch Café offers 3 kinds of sandwich fillings and 3 kinds of bread. Which table shows all the possible sandwich combinations at Bob's Lunch Café? Sandwich Combinations Sandwich Filling Bread Sandwich Combinations White Chicken Sandwich Filling Bread Wheat Chicken White Chicken Chicken Sourdough Wheat Tuna White Tuna Sourdough Ham Wheat Tuna Sourdough Tuna (a) (c) Sandwich Combinations Sandwich Combinations Sandwich Filling Bread Sandwich Filling Bread White White Chicken Chicken White White Tuna Chicken White Ham White Chicken Wheat Wheat Chicken Tuna Wheat Wheat Tuna Tuna Wheat Wheat Ham Tuna Sourdough Chicken Sourdough Ham Sourdough Sourdough Tuna Ham Sourdough Ham Sourdough Ham (b)

(a) 1/15

(c) 1/5

(b) 3/20

6. What point on the grid below corresponds to the coordinate pair (11/2, 8)?

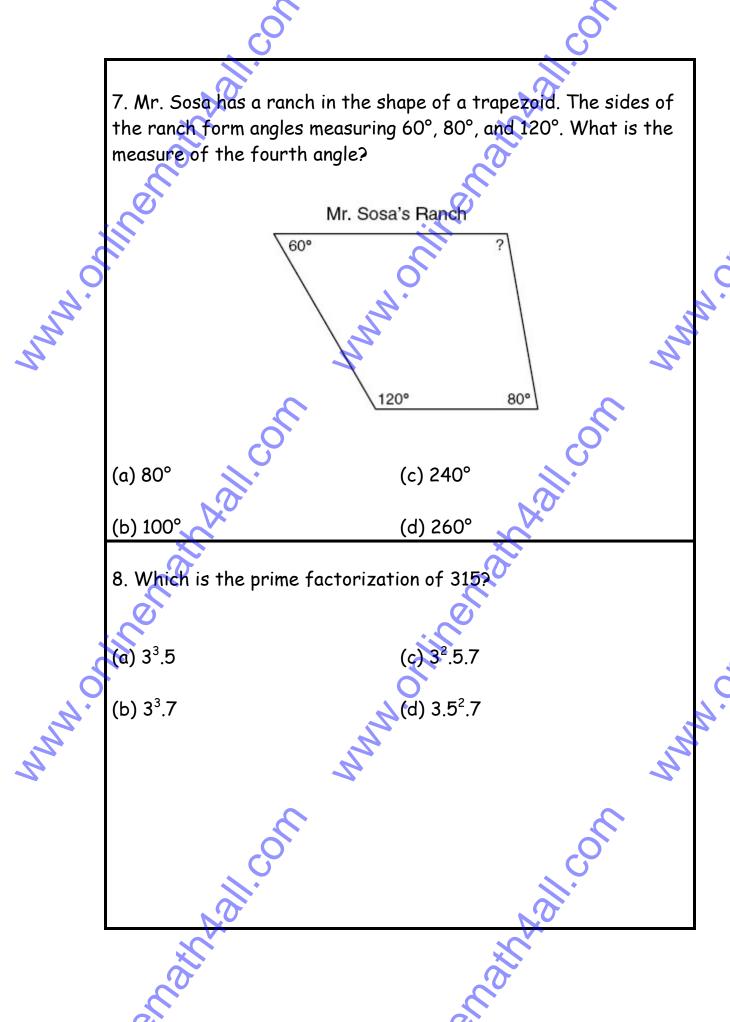


(a) Point W

(b) Point X

Such all colli

(c) Point Y
(d) Point Z



	COM	con	
	9. If Mr. Albright drives at a conhour, which method can be used twill take him to drive 260 miles?	The state of the s	~
	(a) Add 65 and 260	(c) Multiply 260 by 65	dinos
n n n	(b) Subtract 65 from 260	(d) Divide 260 by 65	7.
W	10. Manuel's heart beats 9 times resting. About how many times we minutes of rest?	per 10 seconds while Manuel is ould Manuel is ould Manuel's heart beat during 3	
	(a) 27	(c) 270	
	(b) 162	(d) 200	
Muly O.	11. Mr. and Mrs. Gunther tiled the square tiles. Each box of tile conceptangular porch measured 38 f piece of information is needed in boxes of tile the Gunthers needed	tained 30 square tiles. The eet by 22 feet. What missing order to find the number of	M. Cillock
7	(a) Area of each square tile	(c) Perimeter of the porch	
	(b) Perimeter of the box	(d) Area of the porch	

(a) 5/6

(b) 1/3

(d) 1/6

13. What is the rule to find the value of a term in the sequence below? Hall.off

Sequence

	Seq	uence
	Position, n	Value of Term
	1	1
	2	4
	3	7 0
~	4	10
O .	5	13)
	n	

(a) n + 3

(b) 3n-2

(d) n-2

14. Tickets for a circus performance cost \$9.50 for an adult and \$6.75 for a child. Mr. Snyder and some of his friends, a group of 4 adults and 5 children, went to the circus performance. Mr. Snyder paid for all the tickets.

Read the problem-solving steps shown below. Arrange the steps in the correct order for Mr. Snyder to find the total cost for the tickets.

Step K: Add the two products together

Step L: Write down the number of adults and the number of children going to the circus performance

Step M: Multiply the cost of an adult ticket by the number of adults

Step N: Multiply the cost of a child's ticket by the number of children

Which list shows the steps in the correct order?

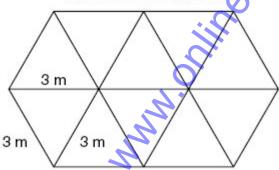
(a) L, K, M, N

(c) N, M, L, K

(b) L, M, N, K

(d) M, N, L, K





How much wire did Mrs. Gold use to complete her piece of art?

(a) 9m

(c) 90m

(b) 33m

(d) 57m

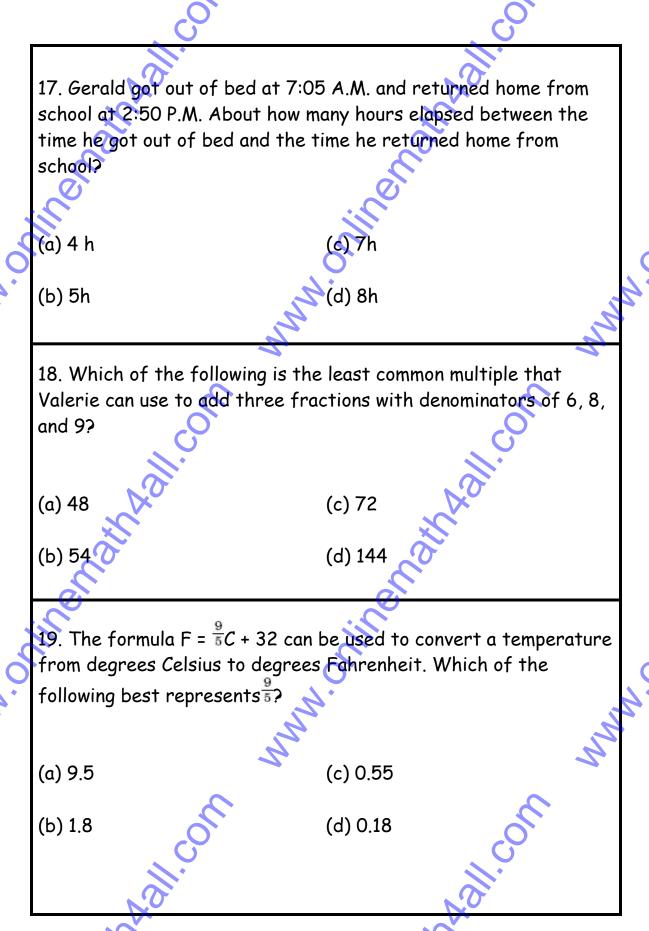
16. Which statement about the mixed number is true?

(a)
$$1\frac{3}{10} > 1\frac{1}{3}$$

$$(c)$$
 $1\frac{1}{3} > 1\frac{3}{10}$

(b)
$$2 < 1\frac{1}{3}$$

$$1\frac{1}{3} < 1\frac{1}{4}$$



20. Mrs. Valcome has \$25.00 to spend on seeds for her flower garden. Marigold seeds cost \$1.50 per package, and zinnia seeds cost \$1,25 per package, tax included. If Mrs. Valcome buys 10 packages of marigold seeds, how can she determine how much money she has left to spend on zinnia seeds?

- (a) Add \$1.50 and \$1.25
- (b) Subtract the product of 10 and \$1.50 from \$25.00
- (c) Multiply \$1.25 and 10
- (d) Multiply \$1.25 and 10
- 21. An animal shelter currently has 20 cats and 25 dogs. What is the ratio of cats to dogs?

(c) 4 to 5 4 to (d) 1 to 5

22. The table below shows the areas of a triangle where the height of the triangle stays the same but the base changes.

Areas of Triangles

Height (units)	Base (units)	Area (square units)
6	2	6
6	4	12
6	6	18
6	8	24
6	n	?

Which expression can be used to find the area of a triangle that has a height of 6 units and a base of n units?

(a) n/2

(b) 6/2

(d) 6n a height o.

(a) n/2

(b) 6/2

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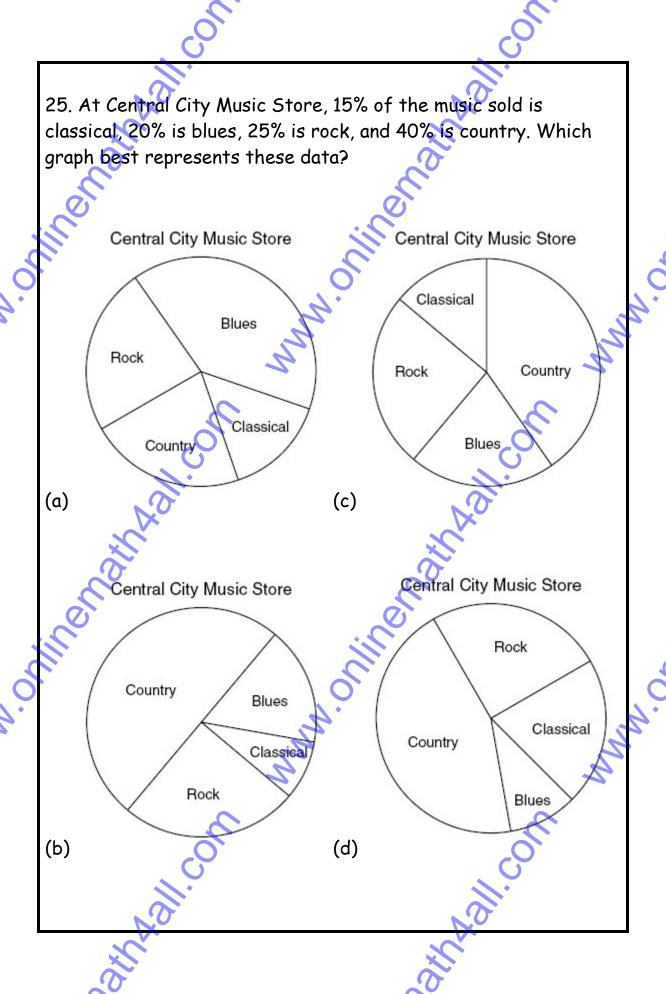
23. Felicia went shopping for clothes. She bought a pair of jeans priced at \$28.00, a sweater priced at \$32.50, and a belt priced at \$18.75. If there was an 8.75% tax on clothing items, which procedure could be used to find the amount of tax Felicia paid? (a) Multiply the tax rate by the sum of the prices of the clothing items (b) Add the prices of the clothing items to the tax rate (b) Add the prices of the clothing items to the tax rate (d) Multiply the tax rate by the price of the most expensive clothing item William Collinson

24. Trevor knows the circumference of his bicycle tire, but he needs to find the diameter.



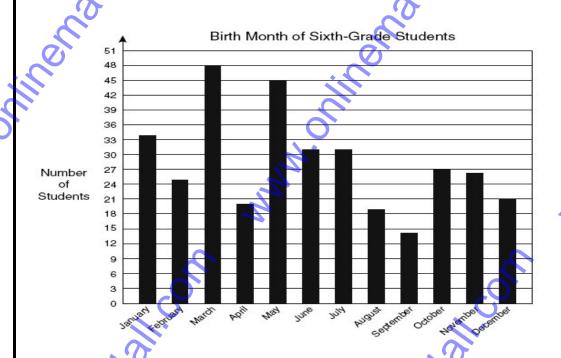
Which method can Trevoruse to find the diameter?

- (a) Multiply the circumference by 2 and divide the result by π
- (b) Divide the circumference by 2 and multiply the result by π
- (b) Multiply the circumference by π
- (d) Divide the circumference by $\boldsymbol{\pi}$



26. The Springer family took a trip for the holidays. When they left home the odometer in their car read 5,364.6 miles. When My Original Andrews they returned from their trip, the odometer read 7,347.0 miles. How many miles did the Springers travel? WWW. (6) 1862.4 (a) 1982.4 Jo2.4 (d) 1952.6 (b) 1972.5 Many of the Contract of the Co Man of the Color o W. Cilicore CACALLO COLL

27. Apollo Middle School collected the following data from students.



Which statement is supported by the graph?

- (a) More than 25% of the students were born in either January or March.
- (b) The second half of the year had fewer births than the first half.
- (c) May was the birth month for 30 students
- (d) The same number of births per month occurred in February, October, and November.

28. If the cost of renting a canoe is a basic fee of \$5 plus an additional \$2.50 for each hour that the canoe is rented, which equation can be used to find c, the cost in dollars of the rental for hours?

(a)
$$c = 2.5h + 5$$

(c)
$$c = 2.5(h + 5)$$

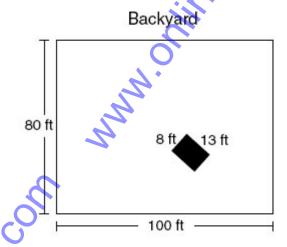
(b)
$$c = 5h + 2.5$$

(d)
$$c = 5(h + 2.5)$$

29. Mrs. Miller is baking cookies for 16 children. She has baked 2 dozen cookies. If she wants each child to receive exactly 2 cookies and have no cookies left over, how many more cookies should she bake?

30. Find the greatest common factor of 12, 24, and 36.

31. A family put a rectangular patio in their backyard and planted grass in the rest of the yard. The rectangular backyard is 100 feet by 80 feet, and the patio is 13 feet by 8 feet. What is the area of the backyard that is planted with grass?



(a) 402 sq ft

(c) 8,000 sqft

(b) 7,896 sq ft

(d) 8,104 sq ft

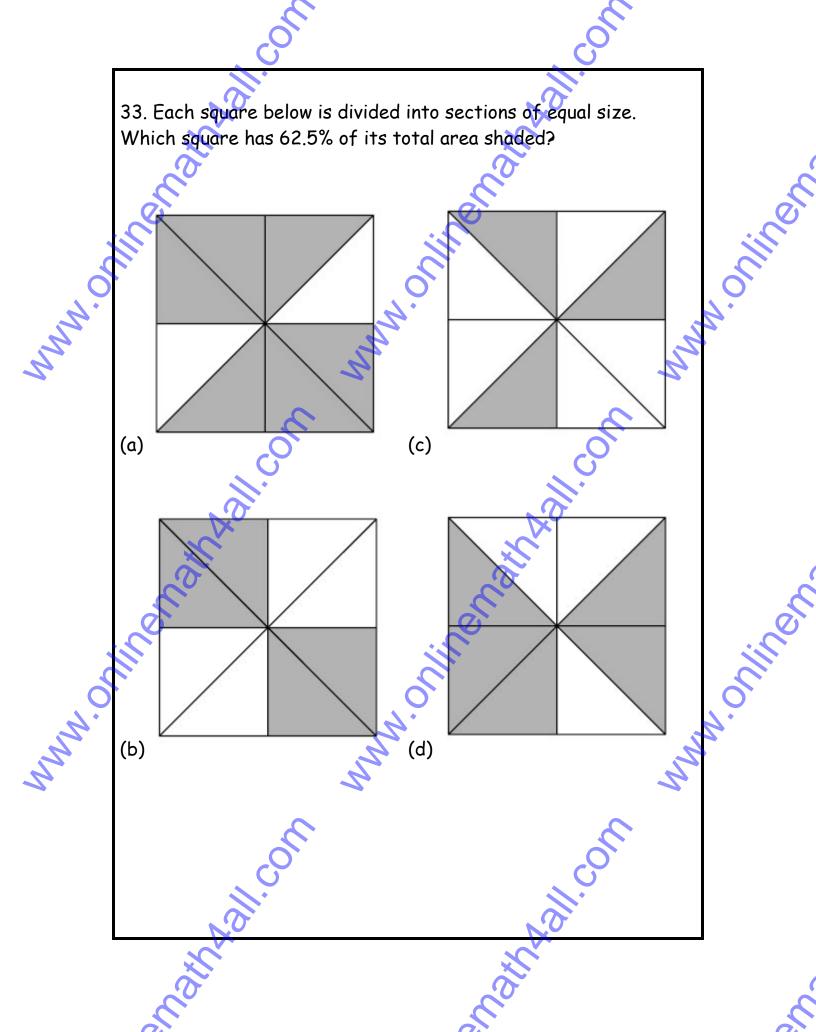
32. During basketball season Wanda made 2 out of every 3 free throws she attempted. In the last basketball game, Wanda attempted 12 free throws. How many free throws would she have been expected to make?

(a) 2

(c) 24

(b) 8

(d)36



t. The rable show year. 34. The Qar Band performed concerts from 1992 to 2001. The table shows the number of concerts the band performed each

Q&R Band Performances

Year	Number of Concerts
1992	168
1993	172
1994	142
1995	180
1996	162
1997	162
1998	180
1999	180
2000	168
2001	172

What is the median of the number of concerts?

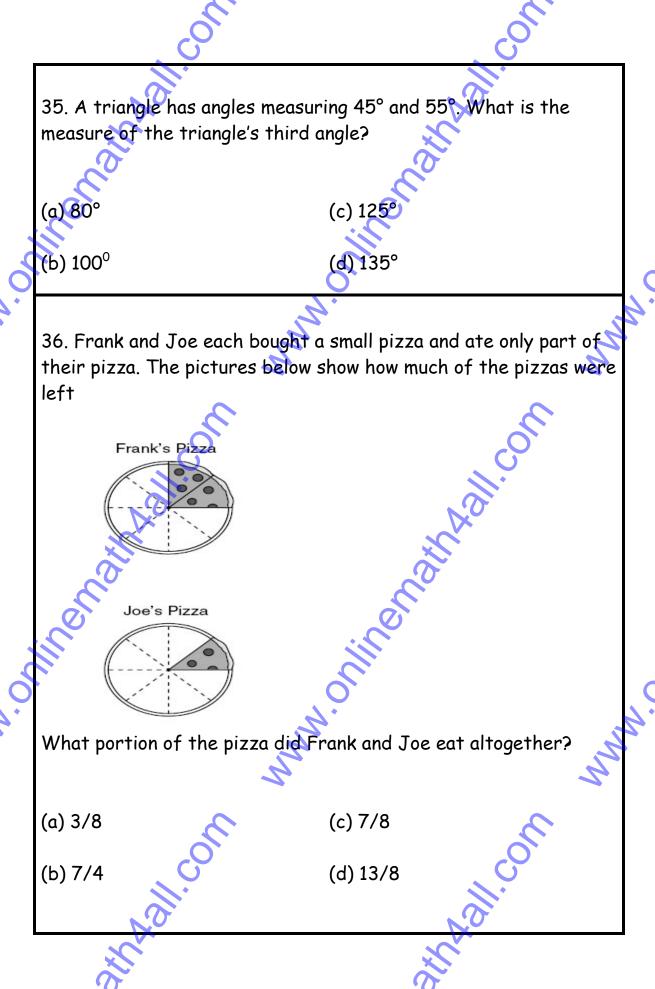
(a) 162

(c) 180 (d) 172

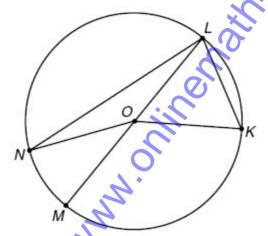
(b) 170

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37. A circle with center at point O is shown below.



Which line segment is 2 times the length of radius OK?

(a) Segment LN

(c) Segment LK

(b) Segment PM

(d) Segment QN

38. Josie's horse eats about 2 bales of hay every 5 days. About how many bales of hay does Josie's horse eat in 31 days?

(a) 8

(c) 16

(b) 12

(d) 78

39. Jade is 3 years older than Steven, and Steven is 5 years Who will be with the second se younger than Andrew, who is 15 years old. Which table could be used to find Jade's age?

Ages

Name

Ages

Λ	\sim	^	e
м	u	ᆮ	2
	-	~	-

Name	Age (years)
Jade	7
Steven	8
Andrew	15

Ages

Name	Age (years)
Jade	15 – 5
Steven	15 – 5 + 3
Andrew	15

M. Cliffold

Why of the second of the secon (a)

Ages

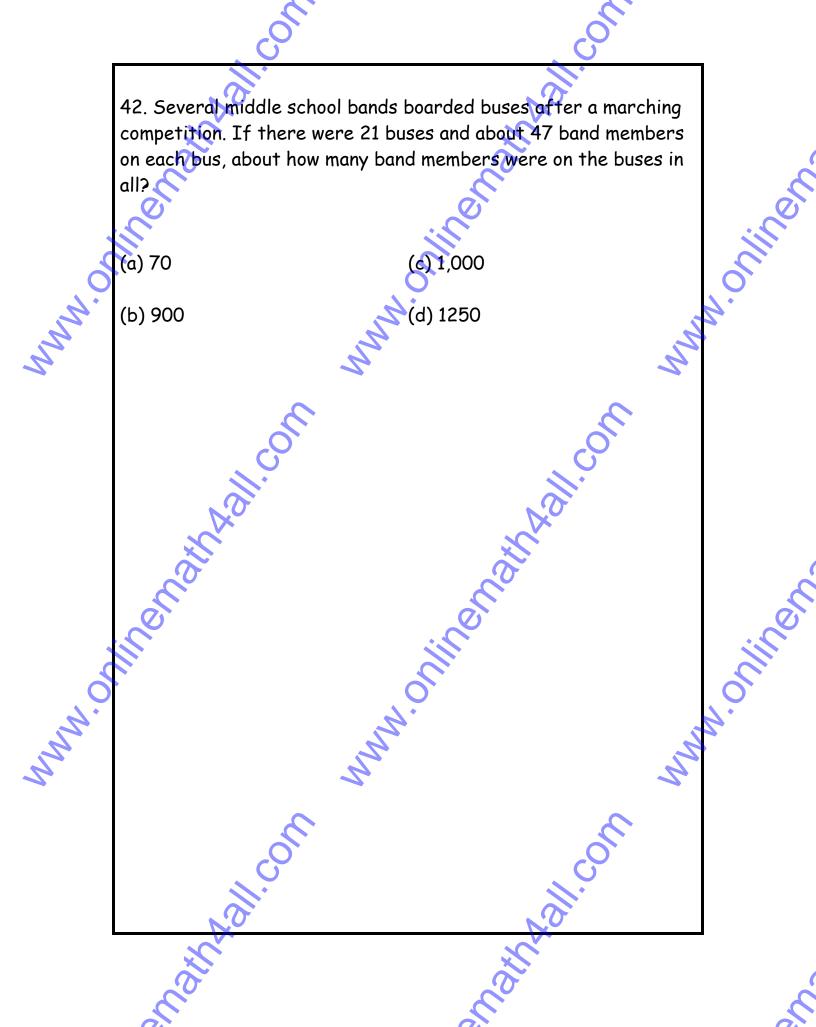
	.00	200	
		Name	Age (years)
		Jade	15 – 5 + 3
		Steven	15 – 5
		Andrew	15
	(b)	Ö	
hun .0.			
n			4
			~

Ages

			C 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
ge ars)		Name	(years)
5 + 3		Jade	• 3
- 5		Steven	5
5		Andrew	15
	(d)		
		la l	
	70,		
N	W.Cli.		
			~

- 41. Miss Caruso's car travels an average of 22 miles per gallon of gasoline. The gas tank holds 12 gallons. How would you find the number of miles Miss Caruso can drive on 1 full tank of gasoline?

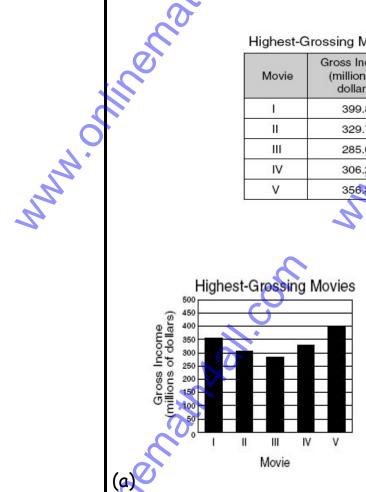
 (a) Add the car's average mileage in miles per gallon to the number of gallons the tank can hold
- (b) Subtract the number of gallons the tank can hold from the car's average mileage in miles per gallon
- (c) Multiply the car's average mileage in miles per gallon by the number of gallons the tank can hold
- (d) Divide the car's average mileage in miles per gallon by the number of gallons the tank can hold

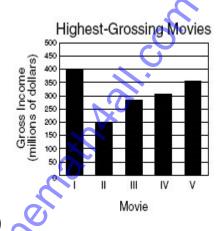


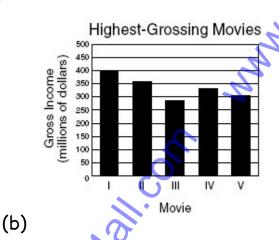
43. The table shows the gross income of 5 of the highestgrossing U.S. movies from 1982 to 1996.

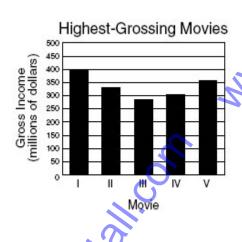
Highest-Grossing Movies

Movie	Gross Income (millions of dollars)
1	399.8
П	329.7
Ш	285.0
IV	306.2
V	356.8

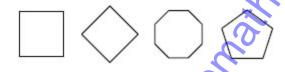








(d)



Which statement best describes these shapes?

- (a) They all appear to be regular polygons.
- (b) They all have an even number of sides.
- (c) They all have an even number of angles.
- (d) They all contain only right angles.

45. At Sandra's school there is 1 teacher for every 15 students. There are 630 students at the school. Which proportion can be used to find x, the number of teachers?

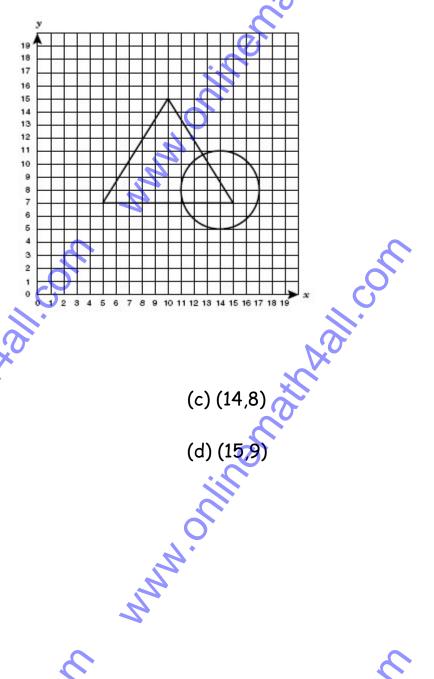
(a)
$$\frac{x}{15} = \frac{1}{630}$$

$$\frac{1}{15} = \frac{x}{630}$$

(b)
$$\frac{15}{1} = \frac{x}{630}$$

$$\frac{x}{1} = \frac{15}{615}$$

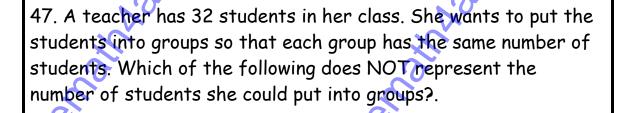
46. Which ordered pair represents a point located inside both wind. the triangle and the circle? My Oction of the Control of the Cont



(a) (8, 4)

WWW. Citron.

(b) (8, 4)



- (a) 4
- (b) 10

48. Sally wrote two number patterns, as shown below.

Set
$$R = \{2, 4, 6, 8, 10, \ldots\}$$

Set
$$T = \{4, 8, 12, 16, 20, \ldots\}$$

If these patterns continue, which of the following numbers would appear in both Set R and Set T?

(a) 46 (b) 30

Signal Coll

(d) 70

49. Which of the following statements about angle measures is true? (a) An angle that measures 90° is a straight angle. (b) An angle that measures 25° is an obtuse angle. (c) An angle that measures 180° is a right angle. (d) An angle that measures 88° is an acute angle. (c) 42L
(d) 60L 50. Martha gives her plants a total of 2,000 milliliters of water each day. What is the total volume of water in liters that she gives her plants over 3 weeks?

		, cos				Soll		
	Answers:				Mal			
	1. b	2. b	3. α	4. b	5. b 11. a 17. d 23. a	6. a		Sold Sold Sold Sold Sold Sold Sold Sold
MANA.	7. b	8. c	9. d	10. b	11. a	12.d		
MAN	13. b	14. b	15. d	16. c	17. d	18. c	n	
		20. b	21. c	22. c	23. α	24. d		
	25. c	26. a	27. b	28. a	29. b	30. b		
	31. b	32. b	33. d	34. b	35. a	36. d		200
5	37 . b	38. b	39. b	40.6	41. c	42. c		Cill
Muly O.	43. d	44. a	45. c	46. c	35. a 41. c 47. b	48.c	ZZ.	
7	49. d	50.c						
		50.c			CXCO	÷		
	NOX.						—	