

MATH 5-6



QUESTION CATALOGUE

Math 5-6

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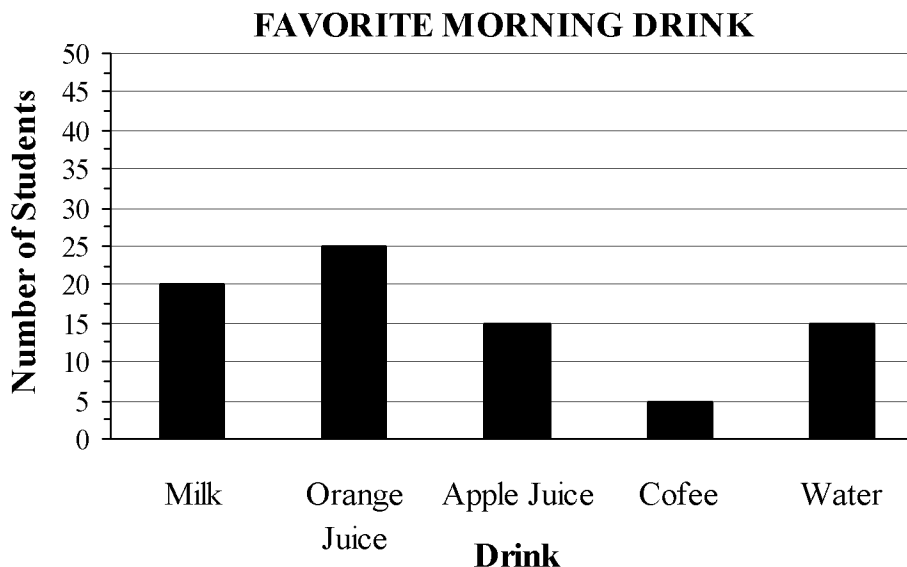
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Base your answers to questions 1866 through 1868 on the graph below.



1866. Which morning drink is preferred by the most number of surveyed students?
 (A) water (B) apple juice (C) coffee (D) orange juice
1867. How many students prefer apple juice over water?
 (A) 15 (B) 10 (C) 5 (D) 0
1868. How many students were surveyed in all?
 (A) 90 (B) 85 (C) 80 (D) 25

Base your answers to questions 1624 through 1626 on the table below.

NUMBER OF BOOKS READ

	Jan.	Feb.	March	April	May	June
Carly	7	9	4	3	6	7
Doug	5	10	3	8	9	6

1624. Which type of graph would you use to compare the number of books read by Carly and Doug over the 6-month period?
 (A) pie graph (C) double bar graph
 (B) pictograph (D) single bar graph
1625. How many more books did Doug read than Carly over the 6-month period?
 (A) 1 book (C) 5 books
 (B) 3 books (D) 10 books
1626. How many books did Carly and Doug read in total?
 (A) 77 books (C) 39 books
 (B) 75 books (D) 5 books

Base your answers to questions 1627 through 1630 on the chart below.

FAVORITE COLORS

Color	Number
Red	XXXXX
Green	XXXX
Blue	XXXXXXXX
Purple	XX
Orange	XXX

Each X = 10 Students

1627. How many students prefer the color red?
 (A) 5 students (C) 100 students
 (B) 50 students (D) 500 students
1628. Which color is preferred by the most students?
 (A) red (C) blue
 (B) green (D) purple
1629. Which color is preferred by the least amount of students?
 (A) red (C) purple
 (B) blue (D) orange

III. OPERATIONS

5. Mean (Average) (*4)

Base your answers to questions **839** through **842** on the chart below.

JULY VEHICLE RENTALS			
	Bicycles	2 Person Bicycles	Go-Carts
Week 1	98	64	13
Week 2	77	38	19
Week 3	85	55	21
Week 4	92	43	15

839. What is the average number of 2 person bicycles rented in 4 weeks ?

- (A) 40 (C) **50**
 (B) 48 (D) 60

840. Which type of vehicle averaged the greatest number of rentals in 4 weeks ?

- (A) **bicycles** (C) go carts
 (B) 2 person bicycles

841. Which type of vehicle averaged the greatest number of rentals during the second and third week ?

- (A) go carts (C) **bicycles**
 (B) 2 person bicycles

842. What is the average number of go carts rented in 4 weeks ?

- (A) 15 (C) 20
 (B) **17** (D) 21

1550. What is the mean of 45, 12, 15, and 20?

- (A) 92 (C) **23**
 (B) 88 (D) 18.4

1551. Find the mean.

9.4 1.5 4.7 3.2 2.2

- (A) 3.8 (C) 21
 (B) **4.2** (D) 466.5408

1552. Find the mean.

1.45 4.67 3.89 4.49

- (A) 14.5 (C) **3.625**
 (B) 3.05 (D) .3625

1553. Jeremy played the same video game 5 times. His scores for the 5 games were 52, 78, 65, 98, and 81. What is his average score for the game?

- (A) 70.8 (C) 93.5
 (B) **74.8** (D) 374

1554. Jared runs every weekday. He ran 4.53 mi on Monday, 3.97 mi on Tuesday, 2.67 mi on Wednesday, 1.95 mi on Thursday, and 3.14 mi on Friday. On average, how many miles did he run per day?

- (A) 16.26 mi (C) 3.972 mi
 (B) 4.065 mi (D) **3.252 mi**

1635. Base your answer to the following question on the table below.

Number of Laps Swam	
Day	Number
Monday	21
Tuesday	17
Wednesday	10
Thursday	29
Friday	12
Saturday	20
Sunday	17

What is the mean number of laps swam for the week?

- (A) 12 (C) **18**
 (B) 17 (D) 20

1862. Base your answer to the following question on the chart below.

BLAKE'S RUNNING LOG

Month	# Miles Ran
January	52
February	66
March	48
April	54
May	66
June	74

What was Blake's average number of miles ran over the 6-month period?

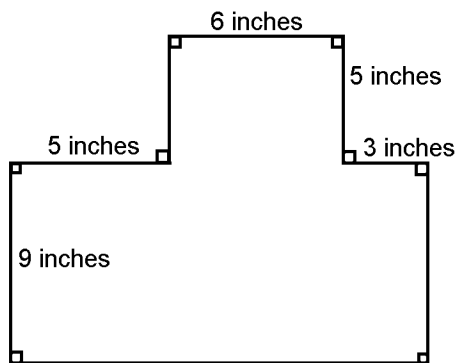
- (A) 360 (C) **60**
 (B) 72 (D) 36

1941. Find the average.

\$10 \$12 \$6 \$8

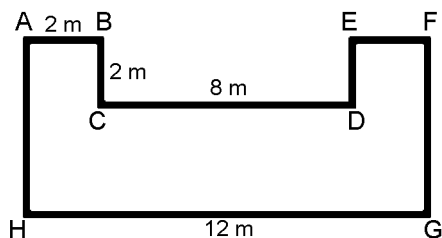
- (A) \$10 (C) \$8
 (B) **\$9** (D) \$6

163. What is the perimeter of the figure below?



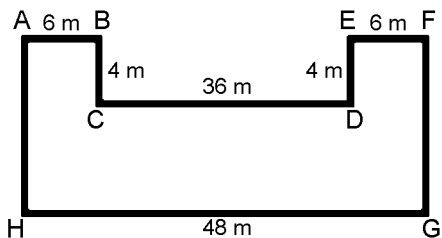
- (A) 28 inches (C) 45 inches
 (B) 42 inches (D) 56 inches

164. The total perimeter of the figure below is 36 meters.



- What is the measure of \overline{FG} ?
 (A) 4 m (C) 8 m
 (B) 5 m (D) 10 m

165. The total perimeter of the figure below is 140 meters.



- What is the measure of \overline{AH} ?
 (A) 9 m (C) 27 m
 (B) 18 m (D) 36 m

194. The longer side of a parallelogram is 14 meters long. The shorter side is half the length of the longer side. What is the perimeter of the parallelogram?
 (A) 14 (C) 28
 (B) 21 (D) 42

172. The figure below is 4 squares connected in a line.



- The side of each square measures 5 feet. What is the perimeter of the figure?
 (A) 20 ft. (C) 50 ft.
 (B) 25 ft. (D) 100 ft.

173. The figure below is 3 squares connected in a line.



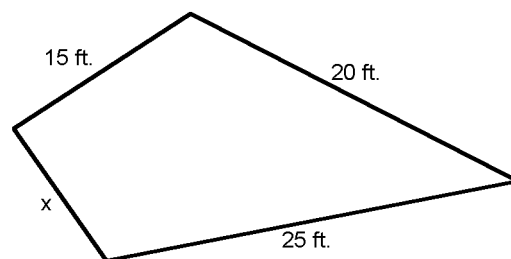
- The side of each square measures 8 feet. What is the perimeter of the figure?
 (A) 32 ft. (C) 80 ft.
 (B) 64 ft. (D) 96 ft.

174. The figure below is 3 connected squares.



- The side of each square measures 3 feet. What is the area of the figure?
 (A) 9 ft. (C) 27 ft.
 (B) 24 ft. (D) 48 ft.

187. Base your answer to the following question on the figure below.



- The perimeter of the above figure is 70 feet. What is the value of x?
 (A) 10 (C) 20
 (B) 15 (D) 25

195. A square has an area of 36 square meters. What is the perimeter?
 (A) 6 meters (C) 24 meters
 (B) 12 meters (D) 36 meters

III. OPERATIONS

1. Three Digit Numbers

628. $3 \overline{)324}$

- (A) 102 (C) **108**
 (B) 104 (D) 112

629. $24 \overline{)768}$

- (A) 31 (C) 33
 (B) **32** (D) 34

630. $\frac{369}{9}$

- (A) 36 (C) 39
 (B) 38 (D) **41**

631. $23 \overline{)529}$

- (A) **23** (C) 53
 (B) 32 (D) 230

632. $\frac{819}{9}$

- (A) 89 (C) 109
 (B) **91** (D) 900

633. $58 \overline{)638}$

- (A) 9 (C) 23
 (B) **11** (D) 25
 (A) 10 (C) **15**
 (B) 13 (D) 150

635. $29 \overline{)812}$

- (A) 2.4 (C) 24
 (B) 18 (D) **28**

636. $\frac{777}{21}$

- (A) **21** (C) 29
 (B) 24 (D) 31

637. $23 \overline{)690}$

- (A) 3 (C) **30**
 (B) 4 (D) 33

638. $\frac{294}{7}$

- (A) **42** (C) 54
 (B) 45 (D) 59

639. $\frac{486}{54}$

- (A) 6 (C) **9**
 (B) 7 (D) 11

640. $11 \overline{)209}$

- (A) 13 (C) 25
 (B) **19** (D) 29

641. $30 \overline{)645}$

- (A) 18.5 (C) 21
 (B) 19 (D) **21.5**

642. $28 \overline{)455}$

- (A) 14.25 (C) **16.25**
 (B) 15 (D) 16.75

643. $\frac{968}{60.5}$

- (A) **16** (C) 19
 (B) 17.5 (D) 20.25

644. $\frac{393.25}{13}$

- (A) 29.25 (C) 30
 (B) 29.75 (D) **30.25**

645. $\frac{289}{17}$

- (A) 14 (C) 19
 (B) **17** (D) 20

646. $18 \overline{)787.5}$

- (A) 42.5 (C) **43.75**
 (B) 43.25 (D) 44.25