

NIE

Newspapers In Education

FOURTH GRADE MATH

1. What is the number 87,042 written in words?

- A. eighty-thousand seven-hundred forty two
- B. eighty thousand forty two
- C. eighty-seven thousand forty two
- D. eighty thousand four hundred two

2. Multiply 70 x 90 (no calculator)

- A. 1,600
- B. 630
- C. 7,900
- D. 6,300

Use the table below to answer question 3.

Days of Snow in 4 Months

November	❄ ❄ ❄ ❄
December	❄ ❄ ❄ ❄ ❄ ❄
January	❄ ❄ ❄ ❄ ❄
February	❄ ❄ ❄

Each ❄ represents 2 days of snow.

3. How many days did it snow in all 4 months?

- A. 18 days
- B. 36 days
- C. 25 days
- D. 22 days

Use the numbers below to answer question 4.

15,940 15,490 15,409 15,049

4. Which answer shows the numbers from least to greatest?

- A. 15,940 15,490 15,409 15,049
- B. 15,049 15,409 15,490 15,940
- C. 15,490 15,409 15,049 15,940
- D. 15,409 15,940 15,490 15,049

Use the table below to answer 5.

Gray Whale Heartbeats per Minute

Heartbeats	8	16	24			
Minutes	1	2	3	4	5	6

5. Which numbers below complete the table for the heartbeats of a gray whale in 4, 5, and 6 minutes?

- A. 40, 64, 104
- B. 48, 96, 192
- C. 32, 40, 48
- D. 35, 46, 57

6. Alec has a jar that contains 8 blue blocks, 4 red blocks, 9 orange blocks, and 4 green blocks. If Alec put his hand in the jar and pulled out a block, about what fraction of the time would he expect to get a blue block?

- A. $\frac{4}{25}$
- B. $\frac{9}{25}$
- C. $\frac{12}{25}$
- D. $\frac{8}{25}$

7. Cameron wants to buy 8 doughnuts and 4 cartons of milk. The donuts cost 46 cents each and the milk is 37 cents for one carton. How much change will Cameron receive if he gives the clerk \$20.00?

(no calculator)

- A. \$19.17
- B. \$6.64
- C. \$14.84
- D. \$14.48

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8. During the month of December, $\frac{3}{4}$ of a foot of snow fell in Rochester. How many inches of snow is this?

- A. 9 inches
- B. 4 inches
- C. 3 inches
- D. 10 inches

9. A test found that a light bulb has an average life of 63 days. What is the average life of a light bulb in hours? (no calculator)

- A. 87 hours
- B. 1,512 hours
- C. 441 hours
- D. 168 hours

10. When the number 7 is placed in the _____, which number sentence is true? (no calculator)

- A. $27 \div 3 = 3 + \underline{\quad}$
- B. $6 \times \underline{\quad} = 25 + 17$
- C. $35 \div \underline{\quad} = 54 - 47$
- D. $8 \times 7 = 67 - \underline{\quad}$

Use the table below to answer question 11.

Types of Books Read this Summer

Students	Mystery Books	Adventure Books
Louis	X	X
Juanita	X	
Frank	X	X
Amber	X	
Katarina	X	X
Felipe		X

11. Which Venn diagram represents the data in the table?

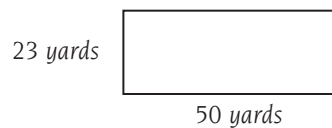
A.

B.

C.

D.

Use the rectangle below to answer question 12.



12. Olivia takes her dog Sophie to the dog park to play. There is a grassy area like the rectangle above. What is the area of the dog park?

- (no calculator)
- A. 1,003 square yards
 - B. 1,150 square yards
 - C. 78 square yards
 - D. 123 square yards

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Use the table below to answer question 13.

Items to Purchase

Item	Cost
CD	\$12.20
Pack of pencils	\$2.50
Candy bar	\$1.25
Notebook	\$0.75
Hair Conditioner	\$2.98
Hair Shampoo	\$3.85

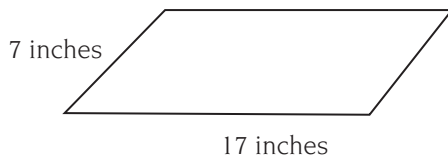
13. Morgan went to the store and purchased a pack of pencils, a notebook, a bottle of shampoo, and a CD. Which answer shows her thinking to estimate the cost of each to the nearest dollar?

- A. \$2.00, \$1.00, \$3.00, \$12.00
- B. \$2.00, \$0.50, \$3.00, \$13.00
- C. \$3.00, \$1.00, \$3.00, \$13.00
- D. \$3.00, \$1.00, \$4.00, \$12.00

14. What is the value of $12 \div 2 \times 1$?
(no calculator)

- A. 6
- B. 15
- C. 14
- D. 7

Use the polygon below to answer question 15.



15. What is the perimeter (in feet) of this parallelogram?
(no calculator)

- A. 4 feet
- B. 2 feet
- C. 7 feet
- D. 9 feet

Use the table below to answer question 16.

**Average Weight of Animals
at the Minnesota Zoo**

Animal	Weight in pounds
Lynx	45
Leopard	125
Tiger	700
Lion	350

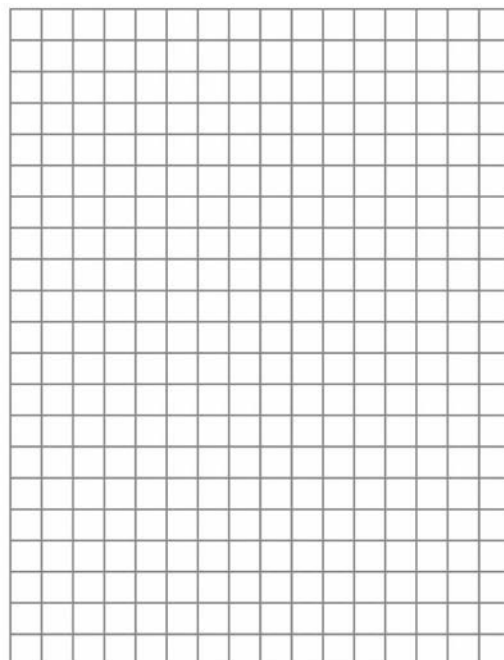
16. Nine lynxes will be exhibited at another zoo. To transport them in the right size van, the zookeeper must know their total weight. What is the weight of 9 lynxes?

(no calculator)

- A. 405 pounds
- B. 170 pounds
- C. 235 pounds
- D. 400 pounds

17. Mr. Higgins is planning a garden in his back yard. The garden will be rectangular and will have a fence around it. He has 24 yards of material for the fence and he wants the garden to have as large an area as possible. What are the dimensions of the rectangle with the largest possible area?

Show and explain your work.



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18. The statue of Chief Crazy Horse in South Dakota is 563 feet tall. The Statue of Liberty in New York is 151 feet tall. What is the difference in height of the two statues? (no calculator)

- A. 714 feet
- B. 7,114 feet
- C. 412 feet
- D. 414 feet

Use the information below to answer question 19.

Kinds of crust	Toppings
Thin crust	Pepperoni
Thick crust	Cheese
	Sausage

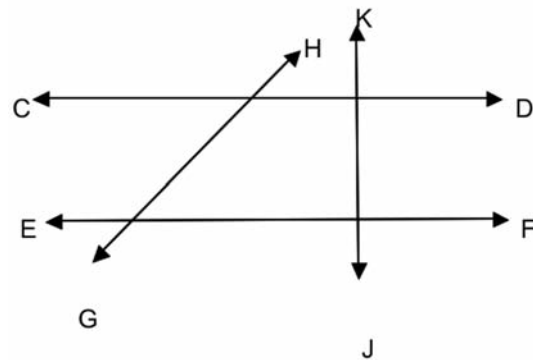
19. Hannah was going to make a pizza. She had 2 kinds of crust and 3 toppings to choose from. What is the greatest number of different one-topping combinations Hannah can make using 2 kinds of crust and 3 toppings?

Show and explain your work.

20. The restaurant has tables that each seat 4 people. How many tables are needed to seat 178 people?

- A. 14 tables
- B. 174 tables
- C. 182 tables
- D. 45 tables

Use the diagram below to answer question 21.



21. Which pair of lines appear to be parallel?

- A. Lines GH and JK
- B. Lines CD and KJ
- C. Lines CD and EF
- D. Lines EF and GH

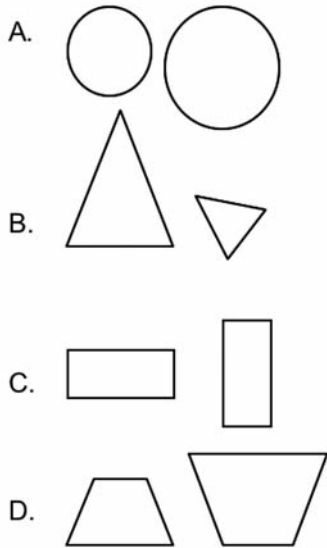
22. Julian's family began their family road trip to Indiana on Monday. They drove 345 miles. On Tuesday they drove 239 miles and on Wednesday 150 miles. How far did Julian's family drive in 3 days?

(no calculator)

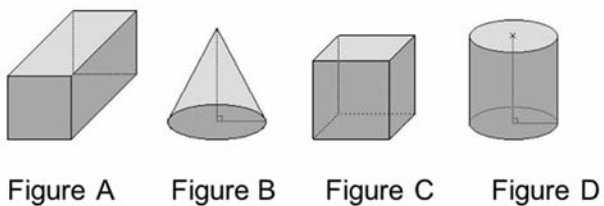
- A. 737 miles
- B. 624 miles
- C. 634 miles
- D. 734 miles

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23. Which pair of figures appears to be congruent?



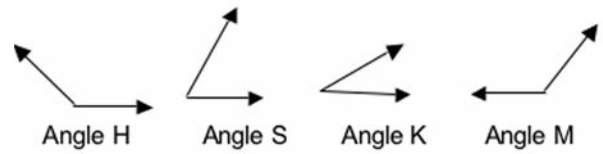
Use the figures below to answer question 24.



24. Identify the cylinder.

- A. Figure A
- B. Figure B
- C. Figure C
- D. Figure D

Use these angles to answer question 25.



25. Which angles measure less than a right angle?

- A. Angle H and Angle S
- B. Angle M and Angle S
- C. Angle H and Angle K
- D. Angle S and Angle K

26. An opossum sleeps an average of 19 hours per day. How many hours does an opossum sleep during a 4-week period?

- A. 532 hours
- B. 133 hours
- C. 76 hours
- D. 137 hours