



Newspapers In Education

## FIFTH GRADE MATH

1. What is thirty-eight and nineteen thousandths written in numerals (standard notation)?

- A. 38.190
- B. 38.019
- C. 38,019
- D. 3,819

2. If Micah reads 44 pages each evening, how many pages will he read in March (31 days)?

(no calculator)

- A. 31 pages
- B. 1,364 pages
- C. 1,320 pages
- D. 75 pages

3. Use the pattern below to answer question 3.

3 8 18 33 53 78    ?

- A. 88
- B. 98
- C. 108
- D. 118

4. Jack was growing sunflowers for his science fair project. After 8 weeks, he measured the height of the sunflowers in inches and recorded the heights.

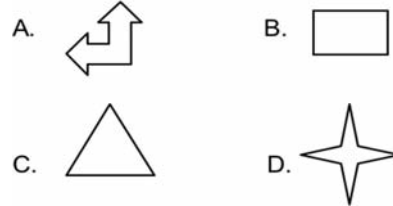
47 31 65 77 53 49 49

Part A: Find the mean (average) height of the sunflowers.

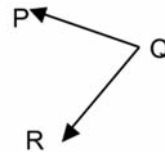
Part B: Find the median of the sunflower heights.

Show and explain your thinking.

5. Which one of the figures has exactly one line of symmetry?



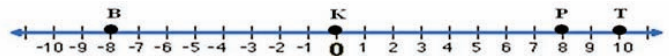
Use the angle below to answer question 6.



6. What is the best estimate of the measure of angle PQR?

- A.  $75^\circ$
- B.  $45^\circ$
- C.  $180^\circ$
- D.  $120^\circ$

Use the number line below to answer question 7.



7. Carlos had \$10 in his pocket to buy an \$18 DVD. Which point on the number line would represent the difference between the cost of the DVD and the money he has in his pocket?

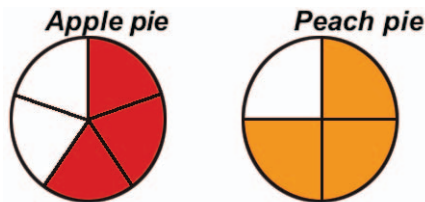
- A. Point B
- B. Point K
- C. Point P
- D. Point T

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8. Ms. Yang bought 5 packages of stickers, each package containing 18 stickers. She gives each student in her class 3 stickers. How many students are in Ms. Yang's class?  
(no calculator)

- A. 30 students
- B. 26 students
- C. 33 students
- D. 6 students

Use the figures below to answer question 9.



9. Raphael's mom made 2 pies for the family. If they ate  $\frac{3}{5}$  of the apple pie and  $\frac{3}{4}$  of the peach pie, how much more peach pie was eaten than apple pie?

- A.  $\frac{6}{9}$
- B.  $\frac{9}{20}$
- C.  $\frac{3}{20}$
- D.  $\frac{12}{15}$

Use the pattern below to answer question 10.



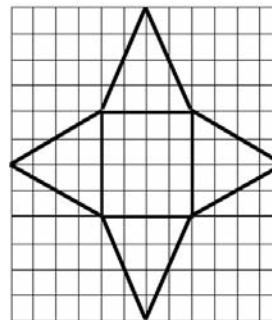
10. Christopher's family owns a tree farm. They planted Douglas Fir trees in the pattern above. There is enough room to plant three more rows of trees. How many trees will be planted in row 7?

- A. 3
- B. 22
- C. 19
- D. 16

11. Martha and Eduardo read a total of 450 pages during March. If Eduardo read 36 more pages than Martha, which number sentence shows the number of pages,  $p$ , that Eduardo read?

- A.  $2 \times p - 36 = 450$
- B.  $p - 36 = 450$
- C.  $p + 36 = 450$
- D.  $2 \times p + 36 = 450$

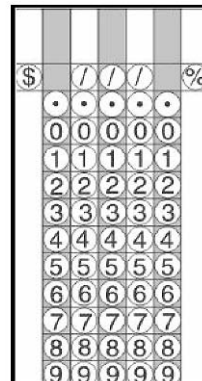
Use the diagram below to answer question 12.



Each square is 1 square inch.

12. Find the surface area.

Put your answer in the grid below.



13. Terrell bought 14 gallons of gasoline for \$44.10. How much did he pay per gallon?  
(no calculator)

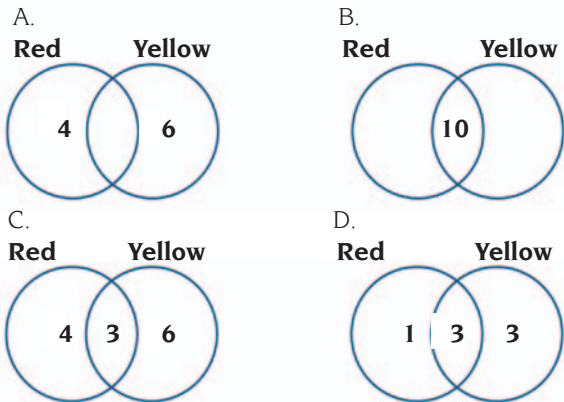
- A. \$58.10
- B. \$30.10
- C. \$3.00
- D. \$3.15

## FIFTH GRADE MATH

Use the table below to answer question 14.

T-Shirt Color		
Name	Red	Yellow
Jacob	X	
Marcy	X	X
Khalif		X
Kong	X	X
Ray		X
Mai	X	X
Shawn		X

14. Which Venn diagram represents the information on the table?

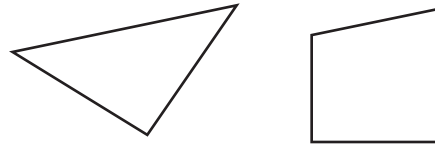


15. Ms. Tyler's class collected autumn leaves, sorted them by color, and put them in a box. The class collected 24 yellow leaves, 17 green leaves, 38 red leaves, 7 orange leaves, and 14 brown leaves. If a leaf is selected out of the box, what is the probability that the leaf is not orange?

(no calculator)

- A. 7 out of 93
- B. 17 out of 100
- C. 93 out of 100
- D. 7 out of 100

16. If Joshua wants to find the sum of the angle measures in the triangle and quadrilateral, which expression would he use?



- A.  $160^\circ + 280^\circ$
- B.  $180^\circ + 360^\circ$
- C.  $90^\circ + 270^\circ$
- D.  $270^\circ + 180^\circ$

17. Evan and his friends cut a pizza into 36 pieces. If they ate 27 pieces, what percent of the pizza did they eat?

- A. 40%
- B. 9%
- C. 75%
- D. 90%

Use the table below to complete question 18.

**Number of Bald Eagle Sightings**

State	Number of Bald Eagles
Kentucky	68
Maryland	134
Arkansas	382
Tennessee	303

18. Estimate (to the nearest hundred) how many fewer bald eagles were seen in Kentucky than in Tennessee.

(no calculator)

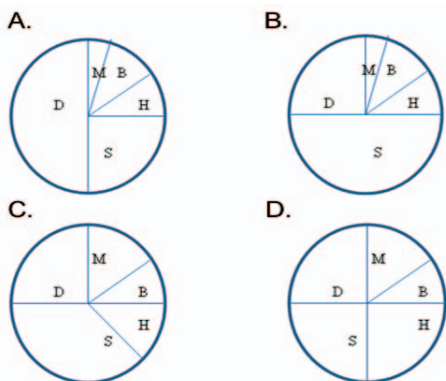
- A. 100
- B. 200
- C. 235
- D. 300

## FIFTH GRADE MATH

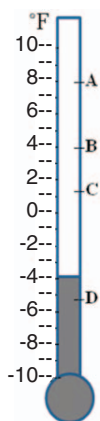
Use the table below to answer question 19.

Homework Time	
As soon as I get home (H)	10%
After having a snack (S)	25%
Right after dinner (D)	50%
Just before going to bed (B)	10%
In the morning before school (M)	5%

19. Mr. Williams' class took a survey to find out when students prefer to do their homework. Their responses are recorded on the table above. Which circle graph represents the data shown on the table?



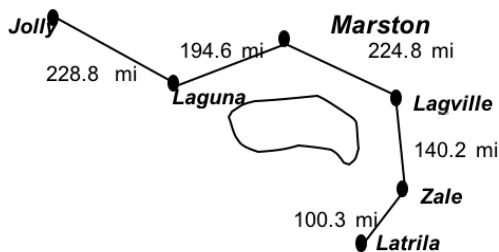
Use the thermometer to answer question 20.



20. Yesterday the low temperature in Minneapolis was  $-4^{\circ}\text{F}$ . The temperature rose  $12^{\circ}$  by noon. Which point on the thermometer shows the temperature at noon?

- A. Point A
- B. Point B
- C. Point C
- D. Point D

Use the map below to answer question 21.



21. Jamil's and Kirsten's families were driving to their family reunion in Marston. Jamil's family traveled from Jolly to Marston and Kirsten's family traveled from Latrila to Marston. How many more miles did one family drive than the other?  
(no calculator)

- A. 465.3 mi
- B. 423.4 mi
- C. 888.7 mi
- D. 41.9 mi

Use the following table to answer question 22.

**Melissa's Run**

Time	Miles
15 minutes	2
30 minutes	4
45 minutes	6
60 minutes	8

22. Melissa ran at a steady rate for 60 minutes. What percent of her total distance is 6 miles?

- A. 75%
- B. 25%
- C. 50%
- D. 60%

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Use the table below to answer question 23.

Fruit Stand Inventory		
Kind of Fruit	Number of Pieces	Fraction of Total
Apples	12	
Bananas	9	
Grapes	6	
Oranges	9	
Total	36	

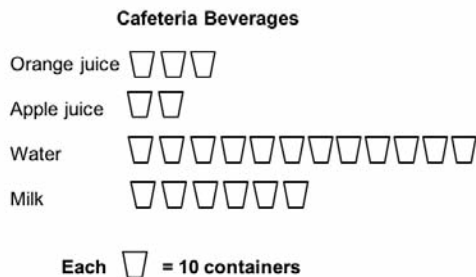
23. The inventory for Ms. Crowley's fruit stand is shown on the table above.

**Part A:** Find the fraction for each kind of fruit and complete the table.

**Part B:** Sketch a circle graph of the fruit inventory.

Show and explain your thinking.

Use the pictograph below to answer question 24.



24. Students have a choice of orange juice, apple juice, water and milk when going through the cafeteria line. The pictograph represents the choices that were made. How many more containers of water than both juices did students choose?

- A. 5 containers
- B. 50 containers
- C. 7 containers
- D. 70 containers

Use the figure below to answer question 25.

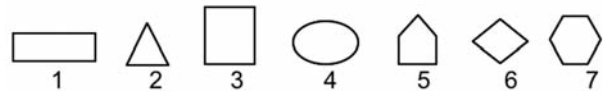


Triangular Prism

25. Which answer identifies the number of faces, vertices, and edges of a triangular prism?

Answer	Number of faces	Number of vertices	Number of edges
A	4	4	9
B	5	6	9
C	6	8	12
D	5	4	7

Use the figures below to answer question 26.



26. Which set of figures are regular polygons?

- A. 1, 2, 3
- B. 2, 3, 5
- C. 2, 3, 7
- D. 1, 3, 4

27. What is the area (in squared cm) of the triangle with base 7.5 cm and height 3 cm?

Put your answer in the grid below.

\$	/	/	/	%
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9