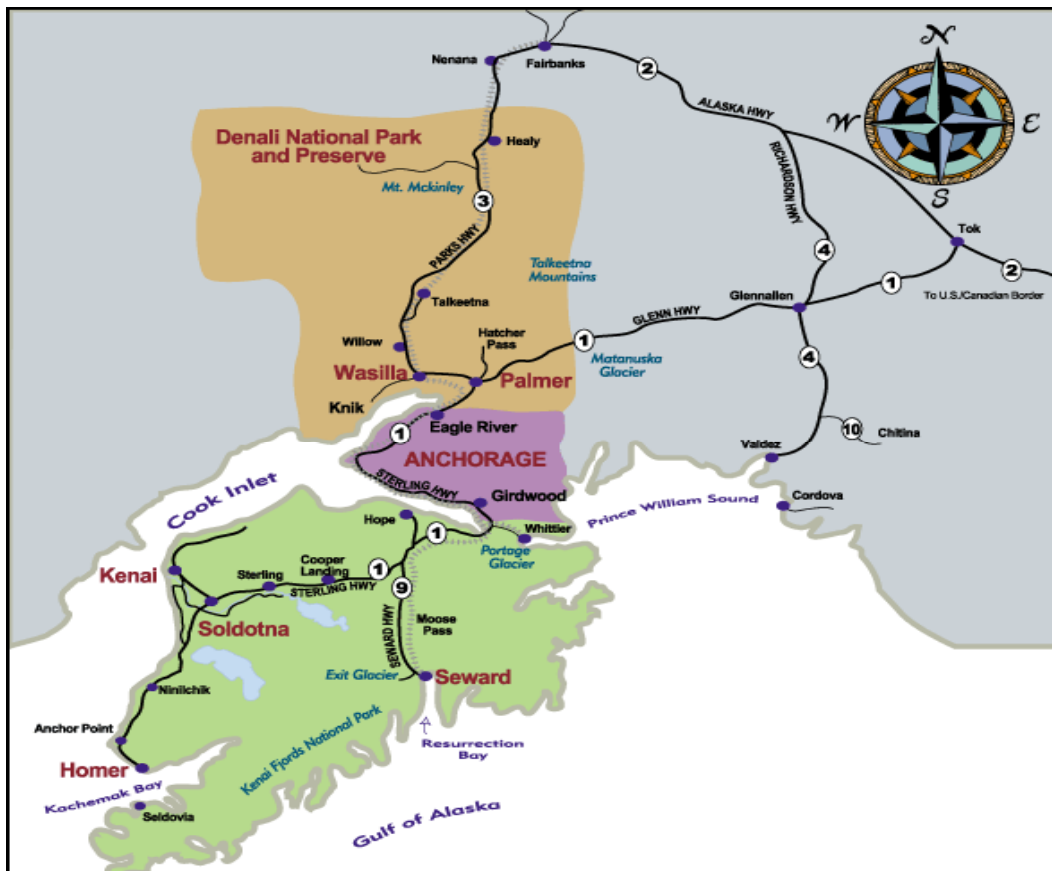


Reasonableness PRACTICE QUESTIONS

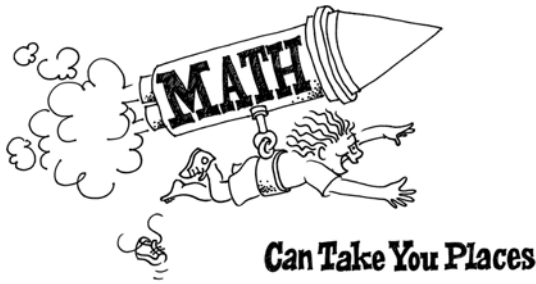
Set #1/Grade 4

- I. The Nguyen family took a trip on an Alaskan railroad to see Mt. McKinley, the highest mountain in the United States. They traveled 128 miles from Seward to Anchorage and 264 miles from Anchorage to Denali National Park.



After their visit to Mt. McKinley, they returned to Seward. Which is the best estimate of the total number of miles the Nguyen family traveled on the train?

- A. 390 miles
- B. 520 miles
- C. 650 miles
- D. 780 miles



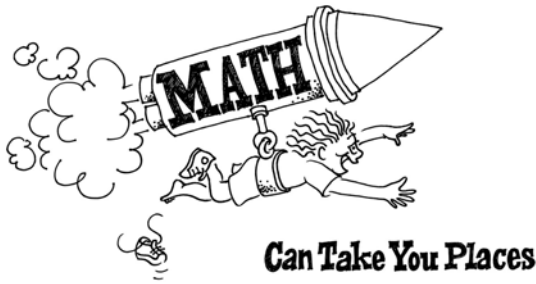
Reasonableness PRACTICE QUESTIONS

Set #1/Grade 4

2. Maricela's school had a fundraiser for a trip to Carlsbad Caverns, New Mexico. The school was selling candles at \$4.50 a piece. If Maricela sold 39 candles, about how much money did she raise for the school?
- A. \$45
B. \$160
C. \$200
D. \$390
3. Ian borrowed \$330 from his brother, Caton. Ian agreed to pay Caton back in weekly installments over a six-week period. About how much will Ian pay back to Caton each week?
- A. \$33
B. \$50
C. \$60
D. \$90
4. Jordan needs to estimate the total number of people that attended this year's sporting events. Using the information in the table below, what was the estimated total that Jordan found?

Sporting Event	Soccer	Baseball	Football	Softball	Track
Total Number of People Attending	3,345	4,789	8,430	2,899	7,682

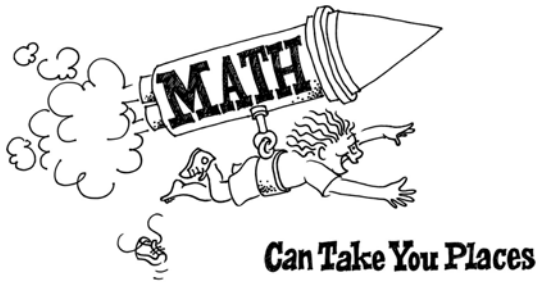
- A. 25,000
B. 27,000
C. 29,000
D. 30,000



Reasonableness PRACTICE QUESTIONS

Set #1/Grade 4

5. Amber and her mother were shopping for CDs. She told her mother that she knew the estimated total would be less than \$150. The CDs cost \$14.95 each, and they purchased 8 CDs. How did Amber come to her conclusion about the estimated price of the CDs?
- A. Amber estimated \$14.00 for the \$14.95 CDs and multiplied by 8 CDs.
 - B. Amber estimated this amount because she had bought CDs at this store before.
 - C. Amber estimated \$15.00 for the \$14.95 CDs, estimated 10 for the number of CDs, which was actually 8, and then multiplied \$15.00 by 10.
 - D. Amber estimated \$10.00 for the \$14.95 CDs and estimated 10 for the number of CDs, which was actually 8, and multiplied \$10.00 by 10.
6. Ahmed and his family went on a trip to St. Thomas in the U.S. Virgin Islands. The cost of the trip was \$3,144.00 for the entire family. If the family spent an additional \$356 on new clothes for the vacation as well as bought \$176 worth of souvenirs while in St. Thomas, about how much did the family spend in total for the vacation?
- A. \$3,100
 - B. \$3,500
 - C. \$3,700
 - D. \$3,900

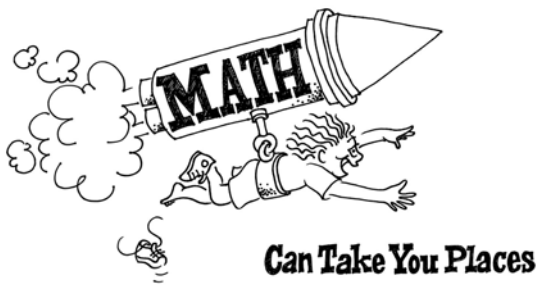


Reasonableness PRACTICE QUESTIONS

Set #1/Grade 4

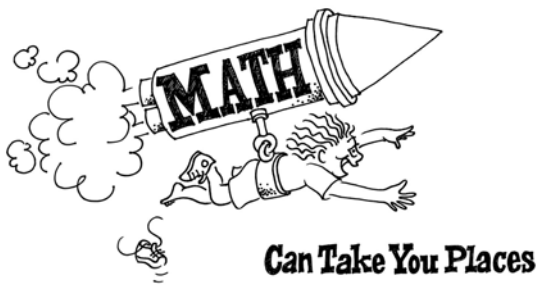
Answers:

1. D
2. C
3. B
4. B
5. C
6. C



Reasonableness PRACTICE QUESTIONS Set #2/Grade 5

- Lorissa plans to attend four different summer camps. The first two summer camps cost \$289.00 each. Green Oaks summer camp costs \$228 and Volleyball camp costs \$343.00. About how much will she have to pay for all four camps?
 - \$500.00
 - \$700.00
 - \$800.00
 - \$1100.00
- Cathy and her four sisters have decided to purchase a computer system for \$989.00. Which equation shows about how much each sister will have to put in for the system if they all want to pay about the same amount?
 - $\$1,000.00 \cdot 5$.
 - $\$1,000.00 \cdot 4$.
 - $\$1,000.00 \div 5$.
 - $\$1,000.00 \div 4$.
- There are a total of 4,187 fifth graders in the Fort Worth School System. If there are 23 elementary schools, which number sentence shows the approximate number of fifth graders at each school?
 - 20 schools \cdot 150 students per school
 - 20 schools \cdot 200 students per school
 - 250 students per school \div 20 schools
 - 20 students per school \div 20 schools



**Reasonableness
PRACTICE QUESTIONS**
Set #2/Grade 5

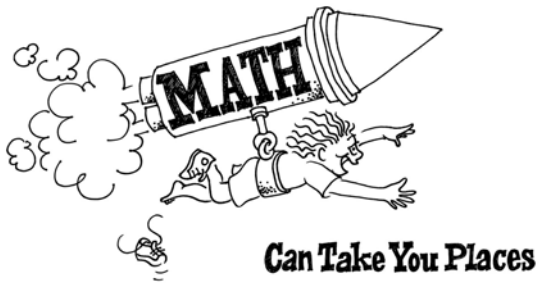
4. The table below shows the number of gallons of triple chocolate ice cream the *Tasty Ice Cream* shop bought for the first four weeks of summer.

Ice Cream Gallons Bought

Week	Number of Gallons Bought
1	479
2	503
3	641
4	798

About how many ice cream gallons were bought for the first 4 weeks of summer?

- A. 2,200
 - B. 2,400
 - C. 2,600
 - D. 2,800
5. The Success Academy Elementary School 6th-grade class is selling cookies to raise money for a field trip. The students began the sale with 1,025 packages of cookies. They sold 423 packages this week and 271 packages the week before. About how many packages of cookies do they have left to sell?
- A. 300
 - B. 400
 - C. 500
 - D. 600

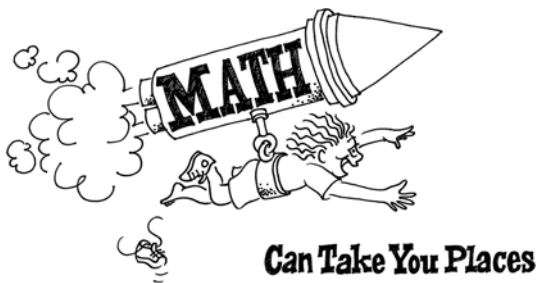


Reasonableness PRACTICE QUESTIONS

Set #2/Grade 5

Answers:

1. D
2. C
3. B
4. B
5. A



Reasonableness PRACTICE QUESTIONS

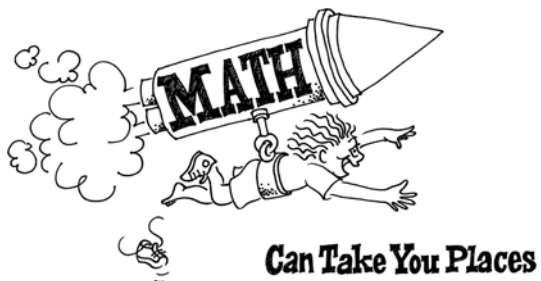
Set #3/Grade 6

- Kenyon works at a candy store. The last four customers who came to the store all purchased trail mix. The first customer purchased 2.73 pounds of trail mix, the second customer purchased 5.08 pounds, and the third and fourth customers both purchased 4.25 pounds apiece. What is the best estimate of the total amount of trail mix that the four customers purchased?
 - 12 pounds
 - 14 pounds
 - 16 pounds
 - 18 pounds
- Alex and four of his friends went to the movies. The total cost of the movie tickets was \$37.50. Approximately how much was the cost of one movie ticket?
 - \$10.00
 - \$9.00
 - \$8.00
 - \$6.00
- Breanna kept a log of the amount of time she practiced her bass clarinet. The number of minutes she practiced last week is in the table below.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time (minutes)	53	27	61	34	0	58

Approximately how much time did Breanna spend practicing last week?

- Less than 3 hours
- Between 3 and 4 hours
- Between 4 and 5 hours
- More than 5 hours

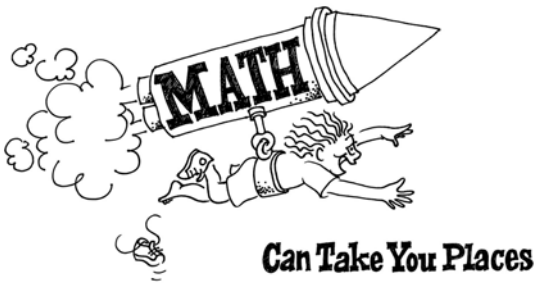


Reasonableness PRACTICE QUESTIONS

Set #3/Grade 6

Answers:

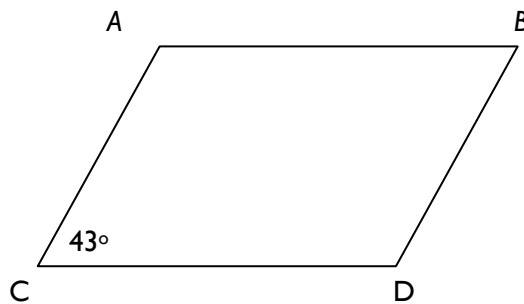
1. C
2. C
3. B



Reasonableness PRACTICE QUESTIONS Set #4/Grade 6

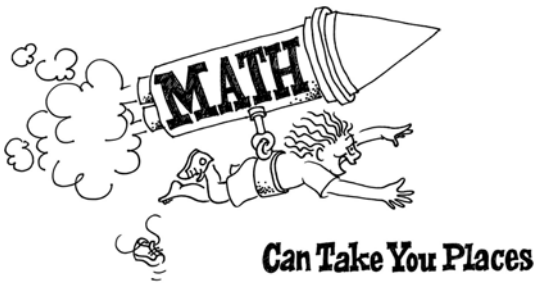
1. Shanté is totaling the number of donations she collected for the school walk-a-thon. She knows that 12 people donated \$8.00 each and 17 people donated \$15.00 each. What process can Shanté use to quickly find the total she collected in donations?
- A. Multiply \$8.00 by 17 and \$15.00 by 12. Add the two totals.
 - B. Multiply \$15.00 by 8 and \$8.00 by 12. Add the two totals.
 - C. Multiply \$8.00 by 12 and \$15.00 by 17. Add the two totals.
 - D. Multiply \$15.00 by 8 and \$12.00 by 17. Add the two totals.

2. Look at the diagram of the parallelogram.



What process best describes how to find the measurement of angle *D*?

- A. Multiply 43° by 2 and subtract from 360°
- B. Multiply 43° by 2 and subtract from 180°
- C. Subtract 43° from 180°
- D. Subtract 43° from 90°



Reasonableness PRACTICE QUESTIONS

Set #4/Grade 6

Answers:

1. C
2. C