



Olympic Medal Math

Story Problems

Answer all 10 right:

Gold Medal Performance!

Answer 8 or 9 right:

Silver Medal Performance!

Answer 6 or 7 right:

Bronze Medal Performance!

-
1. A rectangular skating rink used for figure skating measures 196 feet long and 98 feet wide. What is the total area of the rink? What is the total perimeter?
 2. The USA has 20 skiers competing in the Alpine Skiing Events. For each event they can allow 4 skiers to compete. How many events are they participating in?
 3. A hockey game has three 20-minute periods and a 15-minute intermission after the second period. How long will a hockey game last?
 4. Norway has won a total of 280 medals in all of the past winter Olympics. What would their average of gold, silver, and bronze medals be?
 5. If Norway has won 280 medals overall and the USA has won 216 how many more medals has Norway won?
 6. Suppose the four athletes participating in the Men's Ski Cross are 18, 19, 21, & 18 years old. What is the AVERAGE age of the participants?
 7. In Short Track, by the time an athlete has won the gold medal in a race they will have raced the track 4 times. So, to win gold in the 1000m, how many feet has the winner raced? (1 meter = 3.3 feet)
 8. A hockey rink is 200 feet long by 85 feet wide. What is the area and perimeter of the rink?
 9. The Royal Canadian Mint will produce 615 Olympic and 399 Paralympic medals for the 2010 Winter Games. How many medals will they make?
 10. The Mint will use 2.05kg of gold, 1,950kg of silver, and 903kg of copper to create the medals. How much metal will they use?

Olympic Medal Math – Story Problems

Answer Key

1. Area: $196' \times 98' = 19,208'$
Perimeter: $196+98+196+98 = 588'$

2. $20 \div 4 = 5$ events

3. $3 \times 20 + 15 = 75$ minutes

4. $280 \div 3 = 93.33$ average medals

5. $280 - 216 = 64$ medals

6. Average age = Total age \div # of athletes

$(18+19+21+18) \div 4 = 19$ years old

7. $1000 \times 3.3 \times 4 = 13,200$ feet

8. Area: $200' \times 85' = 17,000'$
Perimeter: $200+85+200+85 = 570'$

9. $615 + 399 = 1,014$ medals

10. $2.05 + 1,950 + 903 = 2,855.05$ kg