



Baseball Math Challenge

Solve these multi-step word problems from the ball field!

Name: _____ Date: _____

1 TEAM EQUIPMENT

Coach Miller buys 8 jerseys and 8 hats for his youth baseball team. Jerseys normally cost \$45 each, but he gets a group discount of \$5 off each jersey. If hats cost \$15 each, how much does he spend in total?

Work: _____

Answer: _____

2 PLAYER STATISTICS

A pitcher threw 90 pitches in his first game of the tournament, which was 10 more than he threw in his second game. In his third game, he threw double the number of pitches from his second game. How many total pitches did he throw in all three games?

Work: _____

Answer: _____

3 TICKET SALES

The Wildcats baseball team sold 150 bleacher tickets for \$12 each and 80 field-level tickets for \$25 each. If the team has to pay \$350 to rent the field and \$150 to pay the umpires, how much profit do they make from ticket sales?

Work:

Answer: _____

4 TOURNAMENT PREP

A baseball league receives a shipment of 12 boxes of new baseballs, with 24 balls in each box. The commissioner takes 18 baseballs to keep for the final championship game, then divides the remaining balls equally among 9 local teams. How many baseballs does each team get?

Work:

Answer: _____

5 RUNNING THE BASES

A baseball diamond has 90 feet between each base. An outfielder runs all the way around the bases 4 times during his warm-up. Then, he runs from home plate to second base and back to home plate 3 times. What is the total distance in feet that he ran?

Work:

Answer: _____

6**BATTING CAGE FUEL**

A motorized batting cage machine consumes 5 gallons of fuel for every 2 hours it is running. Over the weekend, the machine is operated for 8 hours on Saturday and 6 hours on Sunday. How many gallons of fuel does it use in total?

Work:

Answer: _____

Answer Key

Baseball Math Challenge · Grade 7

1. Coach Miller buys 8 jerseys and 8 hats for his youth baseball team. Jerseys normally cost \$45 each, but he gets a group discount of \$5 off each jersey. If hats cost \$15 each, how much does he spend in total? **440**
2. A pitcher threw 90 pitches in his first game of the tournament, which was 10 more than he threw in his second game. In his third game, he threw double the number of pitches from his second game. How many total pitches did he throw in all three games? **330**
3. The Wildcats baseball team sold 150 bleacher tickets for \$12 each and 80 field-level tickets for \$25 each. If the team has to pay \$350 to rent the field and \$150 to pay the umpires, how much profit do they make from ticket sales? **3300**
4. A baseball league receives a shipment of 12 boxes of new baseballs, with 24 balls in each box. The commissioner takes 18 baseballs to keep for the final championship game, then divides the remaining balls equally among 9 local teams. How many baseballs does each team get? **30**
5. A baseball diamond has 90 feet between each base. An outfielder runs all the way around the bases 4 times during his warm-up. Then, he runs from home plate to second base and back to home plate 3 times. What is the total distance in feet that he ran? **2520**
6. A motorized batting cage machine consumes 5 gallons of fuel for every 2 hours it is running. Over the weekend, the machine is operated for 8 hours on Saturday and 6 hours on Sunday. How many gallons of fuel does it use in total? **35**