

22. Michael is thinking of a number that leaves a remainder of 9 when divided by 16. What remainder does Mike's number leave when divided by 4?

(c) 5

(d) 1

(c) 84

(d) 86

Non Man 23. Alex, Jongwhan, and Michael each claims that he is the fattest among them. In order to \_nd the truth, they decide to step on the scale two at a time. Alex and Jongwhan together weigh 210 pounds, Jongwhan and Michael together weigh 205 pounds, and Michael and Alex together weigh 221 pounds. Find how much Jongwhan weighs.

24. Jenny and Heejin decide to have a 5 mile running competition. Jenny runs at a speed of 110 yards every 30 seconds for 3 miles, then walks the rest of the way at a speed of 55 yards every 30 seconds the rest of the way. Heejin runs at a speed of 5 miles per hour. Who wins? (1760 yards=1 mile)

(a) Heejin

(b) nobody will win

(a) 9

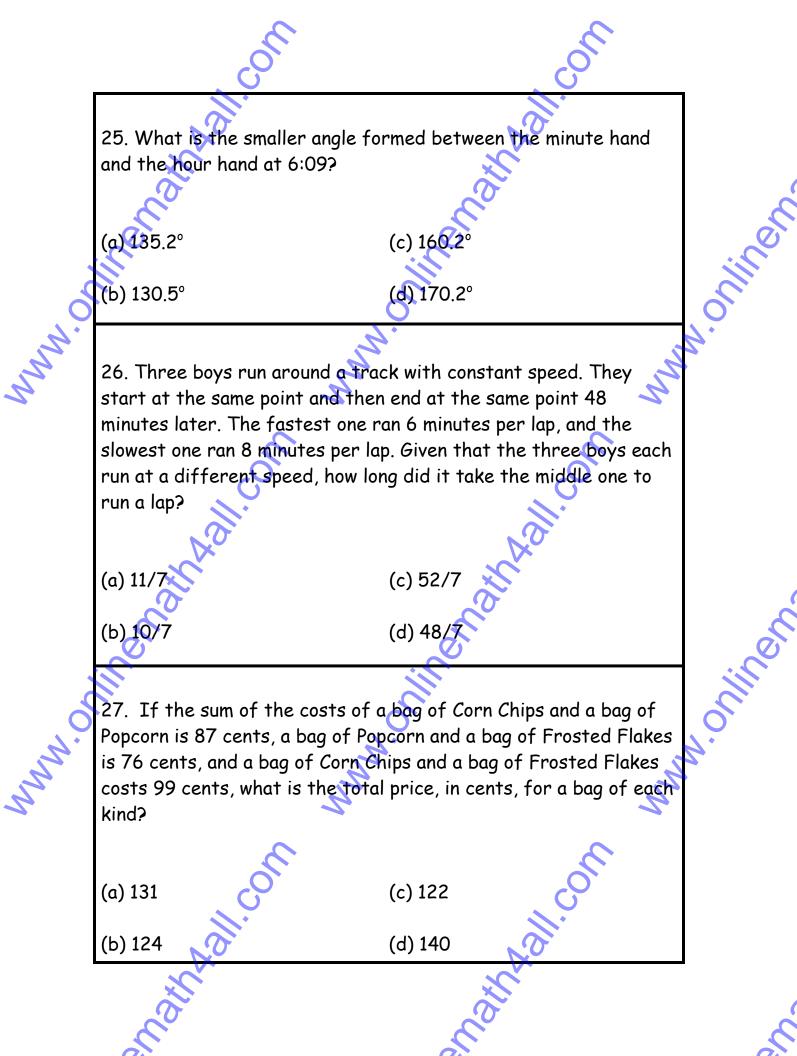
(b) 8

(a) 97

(b) 8

(c) Jenny

(d) none of these



28. Find the sum of the reciprocals of the factors of 20.

(a) 22/10 (b) 23/10

29. Paul is trying to wrap his friends locker for her birthday. The locker is 5 feet tall and 9 inches wide. However, he needs to cut out a 4 in \_ 4 in square along the edge for the lock. If Paul can cut 3 inches of wrap per second, and his special wrapping paper is five feet long and five feet wide, what is the shortest time needed for Paul to cover the locker, assuming it takes 1 minute to tape the wrapping paper to the locker? Answer in seconds.

(c) 25/10

(d) 21/10

(a) 82 seconds (b) 64 seconds

(a) 313

(b) 379

(c) 84 seconds

(d) 87 seconds

30. A new ice cream store, Amazing Ice, has opened in town. An order of ice cream is made by choosing a avor, topping and cone. At Amazing Ice, a customer can choose from 29 avors, 15 toppings and 3 cones. The old ice cream store in town, Country Creamery, still thinks it has more orders, with 27 avors, 19 toppings and 2 cones. How many more orders does the ice cream store with more orders have than the one with less?

(c) 315

(d) 213

