CREST

Olympiads

#CRESTInnovator

CREST Mathematics Olympiad (CMO)
Worksheet *for*

Class 5

Worksheet on Money

1. A bakery produces several bread items and biscuits. In a packet, there are 8 buns of hot dogs. Some packets of hot dog buns cost $77700 which are produced in 5 days. How many packets of hot dog buns will it produce in a week if the cost of each packet of hot dog buns is $37?

    a. 2100 packets
    b. 2310 packets
    c. 2720 packets
    d. 2940 packets

2. Naora deposits £10432.72 on Monday. If she withdraws £10743.20 on Thursday and then deposits £32456.94 on Saturday, then find the total amount in her account now.

    a. £31246.46
    b. £32146.46
    c. £32416.46
    d. £32164.46

3. The cost of an expensive purse is $17.3 and the cost of a prime wallet is $12.4. What is the total amount paid by him if Mark bought 5 purses and 4 wallets?

    a. $116.10
    b. $116.20
    c. $136.10
    d. $136.20

4. Paul spent $350.23 on buying a second-hand car. He also spent $21.67 on repairs, changed one tire for $14.32 and filled the tank with $13.89 petrol. What is the total amount in cents spent by him?

    a. 40.011 cents
    b. 400.11 cents
    c. 4001.1 cents
    d. 40011 cents

5. **Joseph's car was parked in the parking lot from 6:30 a.m. to 11.45 a.m. How much does he have to pay?**

Parking Rates	
First hour	$6.50
Each additional half hour or a portion of the time	$2.25

    a. $25.25
    b. $26.25
    c. $26.50s
    d. $26.75

Answer Key

1. d - 2940 packets

   Explanation: Total cost of hot dog buns = $4088.50
   Cost of each packet of hot dog buns = $37
   Number of packets of hot dog buns produced in 5 days = 77700 ÷ 37
                                 = 2100
   Number of packets of hot dog buns produced in 1 day = 2100 ÷ 5
                                 = 420
   Number of packets of hot dog buns produced in 7 days (1 week) = 420 × 7
                                 = 2940

2. b - £32146.46

   Explanation: Total amount in Naora's account = £[10432.72 – 10743.20 + 32456.94]
                                 = £32146.46

3. c - $136.10

   Explanation: Cost of 1 purse = $17.3
   Cost of 1 wallet = $12.4
   Total cost of 5 purses and 4 wallets = $(5 × 17.3) + (4 × 12.4)
                                 = $(86.5 + 49.60)
                                 = $136.10

4. d - 40011 cents

   Explanation: Total amount spent by her = $(350.23 + 21.67 + 14.32+ $13.89) = $400.11
   Total amount in cents spent by her = $400.11 × 100 = 40011 cents

5. d - $26.75

Explanation: Duration from 6.30 a.m. to 11.45 a.m. is 5 hours 15 minutes.
The parking rate for the first hour (6.30 a.m. to 7.30 a.m.) = $6.50
Now, parking rate for the remaining 8 half hours [4 hours] (7.30 a.m. to 11.30 a.m.) = 8 × $2.25 = $18
Now, the parking rate for the remaining 15 minutes (11.30 a. to 11.45) a.m. = $2.25
So, total amount he had to pay = $(6.50 + 18 + 2.25) = $26.75

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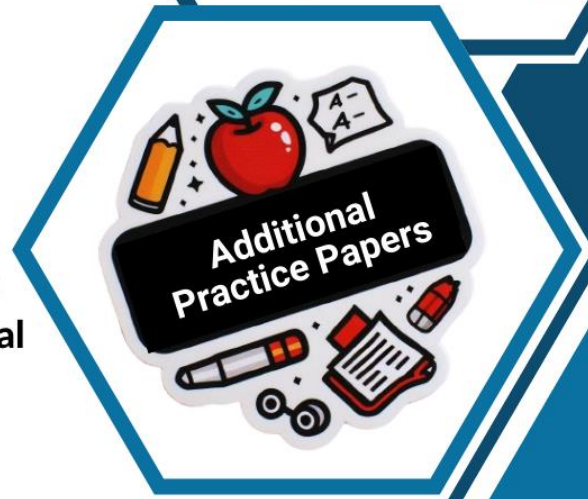2. Go to Dashboard -> Additional Practice -> Buy

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