73

Name Key
Date 2019 Period M6

II. Adding and Subtracting Decimals

A. Calculate each sum or difference.

1. 34.87 + 12.01 + 25.92

Est 35+12+26
Est 73 ≈ 72.80

34.87
12.01
+ 25.92
72.80

2. 16.09 + 15.28 + 35.91

16+15+36
Est. 67 ≈ 67.28

16.09
15.28
+ 35.91
67.28

3. 47.15 − 10.09

Est. 47-10
Est. 37 ≈ 37.06

47.15
- 10.09
37.06

4. 135.826 − 57.12

Est. 140 − 60
Est. 80 ≈ 78.706

12
0x135.826
- 57.120
78.706

5. 12.89 + 7.45 − 3.005

Est. 13+7-3
20-3=17

12.89
+ 7.45
20.34
20.340
- 3.005
17.335
Est. 17

6. 68.52 − 12.708 + 3.92

69-13+4
56+4=60

68.520
-12.708
55.812
+ 3.920
59.732
Est. 60 ≈ 59.732

B. Solve each problem.

1. Cristina wants to purchase four items at the sporting goods store. The items she wants to buy are soccer cleats for $24.99, shin guards for $12.99, soccer socks for $4.49, and a soccer ball for $19.95. How much will the four items cost?

Est. 25+13+4+20
Est. $62 ≈ $62.42

24.99
12.99
4.49
+ 19.95
$62.42

2. Cisco wants to purchase three items at the sporting goods store. The items he wants to buy are football pants for $21.99, football pads for $25.49, and football cleats for $27.95. How much will the three items cost?

Est.
22+25+28 = Est. 75 ≈ $75.43

21.99
25.49
+ 27.95
$75.43

3. Jada and Tonya ran a 400-meter race. Jada ran the race in 75.2 seconds. Tonya ran the race in 69.07 seconds. How much faster did Tonya run the race?

75.20
- 69.07
She ran 6.13 seconds faster

Est = 75-69 = 6 ≈ 6.13

4. Kata wants to purchase three items at a department store. The items she wants to buy are jeans for $24.99, a T-shirt for $14.99 and a pair of earrings for $7.49. If Kata gives the cashier $50, how much change will she get?

24.99
14.99
+ 7.49
$47.47

Est
25
15
+ 7
≈ 47

50
-47
3

Exact
50.00
- 47.47
$2.53 back

5. Deon, Jerome, Lamar, and Terell are practicing for the meter relay race. The school record for the race is 49.6 seconds. The fastest time that each boy ran a 100-meter sprint in practice is shown in the table. If each of the boys can run their best 100-meter sprint during the race, can they beat the school record?

Boy	Time (seconds)
Deon	11.90 12
Jerome	12.60 13
Lamar	12.52 13
Terell	+11.95 +12

48.97 ≈ 50 ≈ est.

49.60
− 48.97
0.63 sec.

Yes! They will beat the record by 0.63 seconds!

6. Eva, Sofia, and Maria are practicing for the 50-yard freestyle swimming race. The school record for the race is 28.93 seconds. The fastest time that each girl swam the 50-yard race in practice is shown in the table.

Girl	Time (seconds)
Eva	29.76
Sofia	31.3
Maria	30.02

How much faster must each girl swim to tie the school record?

Eva 29.76
− 28.93
0.83 sec. ≈ Est. 30 − 29 = 1 sec

Sofia 31.30
− 28.93
2.37 sec. ≈ Est. 31 − 29 = 2 sec.

Maria 30.02
− 28.93
1.09 sec. ≈ Est. 30 − 29 = 1 sec.