Chapter 1: Speed Math

Practice Exercise:

Type A:

1. Find the multiplication of 34 X 43?

2. Find the multiplication 83 x 87?

3. Find the multiplication 67 x 47?

4. Find the multiplication345 x 543?

5. Find the multiplication581 x 184?

6. Find the multiplication294 x 487?

7. Find the multiplication812 x 218?

8. Find the multiplication111 x 666?

9. Find the multiplication133 x 137?

10. Find the multiplication1234 x 4321?

Type B:
1. Find the square of 35.
2. Find the square 48.
3. Find the square 53.
4. Find the square 85.
5. Find the square 81.
6. Find the square 123.
7. Find the square 441.
8. Find the square 222.
9. Find the square 11111.
10. Find the square 99999.

Type C:

1. $\sqrt{7921} =?$
2. $\sqrt{12544} =?$
3. $\sqrt{45369} =?$
4. $\sqrt{4489} =?$
5. $\sqrt{17956} =?$
6. $\sqrt{56169} =?$
7. $\sqrt{9216} =?$
8. $\sqrt{24649} =?$
9. $\sqrt{58081} =?$
10. $\sqrt{6889} =?$

Type D:

1. $\sqrt[3]{185193} =?$
2. $\sqrt[3]{1404928} =?$

3. $\sqrt[3]{2048383} = ?$
4. $\sqrt[3]{592704} = ?$
5. $\sqrt[3]{1092727} = ?$
6. $\sqrt[3]{1061208} = ?$
7. $\sqrt[3]{474552} = ?$
8. $\sqrt[3]{1860867} = ?$
9. $\sqrt[3]{1367631} = ?$
10. $\sqrt[3]{1124864} = ?$

Type E:

1. Which of the following fractions is the smallest?
   (3/5), (3/7), (3/13), (3/8)
2. Which of the following fractions is the smallest?
   (7/5), (9/5), (4/5), (11/5)
3. Which of the following fractions is the largest?
   (19/16), (24/11), (17/13), (21/14), (23/15)
4. Which of the following fractions is the largest?
   (64/328), (28/152), (36/176), (49/196)
5. Which of the following fractions is the largest?
   (71/181), (214/519), (429/1141)
6. Which of the following fractions is the largest?
   (31/37), (23/29), (17/23), (35/41), (13/19)
7. Which of the following fraction is largest?
   (31/27), (43/39), (57/53), (27/23), (29/25)
8. Arrange the following in ascending order:

   (a) $\dfrac{1}{2}, \dfrac{1}{4}, \dfrac{3}{4}$

   (b) $\dfrac{3}{5}, \dfrac{3}{7}, \dfrac{9}{25}$

9. Arrange the following in descending order:

   (a) $\dfrac{2}{9}, \dfrac{2}{3}, \dfrac{8}{21}$

   (b) $\dfrac{1}{5}, \dfrac{3}{7}, \dfrac{7}{10}$

10. Find the perimeters of (i) ΔABE (ii) the rectangle BCDE in this figure. Whose perimeter is greater?