1. Shown below is a five month record of Audrianna's utilities. Which expression represents the **average** cost of her utilities during the _first three months_ of the year?

Monthly Utilities	
Months	**Gallons**
January	150
February	162
March	148
April	166
May	173

① ② ③ ④ ⑤

(1) $\dfrac{(150 + 162 + 148 + 166 + 173)}{3}$

(2) $\dfrac{(150 + 162 + 148 + 166 + 173)}{5}$

(3) $\dfrac{(150 + 162 + 148)}{2}$

(4) $\dfrac{(150 + 162 + 148)}{3}$

(5) $(150 + 162 + 148)$

2. Dolores types at a rate of **54 words per minute**. If an average page contains 540 words, which expression tells the number of minutes it will take Dolores to type 200 pages?

① ② ③ ④ ⑤

(1) $(200)(540)(54)$

(2) $\dfrac{(200)(54)}{540}$

(3) $\dfrac{(540)(54)}{200}$

(4) $\dfrac{(200)(540)}{54}$

(5) $\dfrac{200}{(540)(54)}$

3. During May, Henry sold 200 cameras priced at $189. During June, he sold 80 more at the same price. Which expression represents the **total** sales Henry made during these two months?

① ② ③ ④ ⑤

(1) $200 - 80$

(2) $200 + 80$

(3) $(189)(200 + 80)$

(4) $(189)(200 - 80)$

(5) $(189)(200)(80)$

4. Rich takes an average of 100 steps per minute. Which of the following expressions represents the **total** number of steps he takes in one hour?

① ② ③ ④ ⑤

(1) $\dfrac{100}{60}$

(2) $\dfrac{60}{100}$

(3) $\dfrac{20}{60}$

(4) 20×60

(5) 100×60

5. Last year Bonita worked as a paraprofessional. She worked 20 hours a week, and she earned $5 an hour for 30 weeks. Which of the following expressions represents her **total** salary for the year?

① ② ③ ④ ⑤

(1) $5 \times 20 \times 30$

(2) $5 \times 20 \times 52$

(3) $50(52 - 30)$

(4) $\dfrac{5 \times 20}{30}$

(5) $\dfrac{5 \times 20}{52}$

6. Sam earns $9 an hour as a data entry specialist and $12 an hour as a manager. He worked 15 hours as a data entry specialist and 20 hours as a manager. Which of the following

expressions represents the **total** amount he earned in both positions?

① ② ③ ④ ⑤

(1)   9(15) + 12(20)
(2)   9(12) + 15(20)
(3)   (9 + 12) (15 + 20)
(4)   9(20) + 12(15)
(5)   (9 + 12) + 15 + 20

7.   The following are Community Bank's regular hours.

Monday-Thursday	9:00 a.m. – 6:00 p.m.
Friday	9:00 a.m. – 8:00 p.m.
Saturday	9:00 a.m. – 1:00 p.m.

Last week the bank was closed on Monday for Martin Luther King Day. Which of the following expressions represents the **total** number of hours the bank was open last week?

① ② ③ ④ ⑤

(1)   9 + 9 + 4
(2)   9 + 11 + 4
(3)   3(9) + 11 - 4
(4)   3(9) + 11 + 4
(5)   3(8) +11 + 4

8.   Will competed in a diving meet and received the following scores for three events.

SCORE	EVENT
9.5	3 meter springboard
8.8	5 meter springboard
8.7	9 meter springboard

Which of the following expressions shows the **average** score for the three dives?

① ② ③ ④ ⑤

(1) $\dfrac{(8.7 + 8.8)}{3}$

(2) $\dfrac{(9.5 + 8.8 + 3)}{3}$

(3) $\dfrac{(9.5 + 8.8)}{2}$

(4) $\dfrac{(9.5 + 8.8 + 8.7)}{3}$

(5) $\dfrac{3}{(9.5 + 8.8 + 8.7)}$

9.   A 5 ounce pork steak contains 300 calories, and an 8 ounce glass of milk contains 150 calories.
Which expression tells the number of hours it would take to burn off a pork steak and a glass of milk if jogging burns off about 400 calories **per** hour.

① ② ③ ④ ⑤

(1) $\dfrac{(300 + 400)}{150}$

(2) $300 + 150 + 400$

(3) $\dfrac{(300 + 150)}{400}$

(4) $\dfrac{(150 \times 400)}{300}$

(5) $\dfrac{(300 \times 150)}{400}$