1. In 1998, the weekly cost of food for a family of four was $100. In 1999, the weekly cost was $150. Which of the following expressions shows the **difference** in the cost from 1998 to 1999 for one family member?

① ② ③ ④ ⑤

(1) $150 ÷ 4

(2) $100 ÷ 4

(3) ($150 ÷ 4) + ($100 ÷ 4)

(4) ($150 ÷ 4) + $100

(5) 52 ($150 – $100) ÷ 4

2. Mr. Vialpando ordered 20 boxes of pants each containing 12 pants for his store. He sent back two of the boxes because they were defective. Which expression tells the **total** number of the pants he kept from that order?

① ② ③ ④ ⑤

(1) 12 x 20 x 2

(2) 12 (20 – 2)

(3) 12 + (20 – 2)

(4) (12 x 20) – 2

(5) 12 (20 + 2)

3. Yesenia rented a car for $35 a day for two days. Insurance costs $9 per day. Which of the following expressions shows the **total** amount Yesenia paid to rent the car, including the cost of insurance?

① ② ③ ④ ⑤

(1) 2 (35 – 9)

(2) 2 (35 + 9)

(3) 2 x 35 x 9

(4) $\frac{(35 + 9)}{2}$

(5) (2 x 35) + 9

4. Henrietta works eighteen hours one week at $5.50 per hour, and Ted works thirty hours at twice that wage. Which of the following expressions tells the **total** amount Henrietta and Ted earned that week?

① ② ③ ④ ⑤

(1) (30 + 18) 5.50

(2) (30 + 18) (5.50 + 11.00)

(3) (18 x 5.50) (30 x 11.00)

(4) (18 x 5.50) + (30 x 11.00)

(5) (18 + 5.50) (30 + 11.00)

5. Felix bought 3 quarts of oil for $12.50 each. He got a $5 discount for paying cash. Which expression represents the amount he paid for the oil?

① ② ③ ④ ⑤

(1) (3 x 12.50) – 5

(2) 5 – (3 x 12.50)

(3) 5 – 3 – 12.50

(4) 12.50 – (3 x 5)

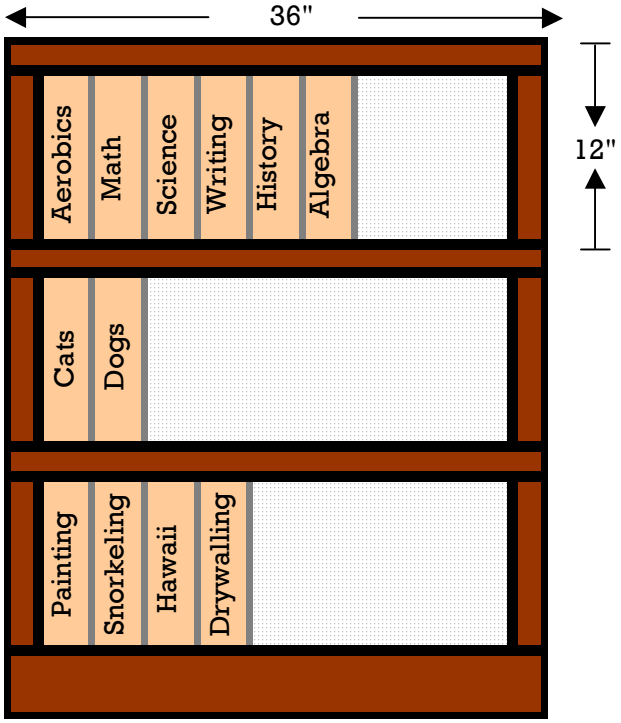
(5) (3 + 12.50) – 5

6. Corrine drives 657 miles per week going to and from work. Her car averages 18 miles per gallon of gas. Which expression below determines the **total** distance that Corrine can travel in 3 weeks?

① ② ③ ④ ⑤

(1) 3 (657)
(2) 657 + 3
(3) 657 – 3
(4) 657 ÷ 3
(5) 657 ÷ 18 x 1.09

Question 7 refers to the bookcase below.



7. Which expression determines the number of books, each 2" thick that will be needed to fill the three shelves of the bookcase in the diagram above?

① ② ③ ④ ⑤

(1) 2 + (36 ÷3)

(2) (36 ÷ 2) – 3

(3) 3 (36 ÷ 2)

(4) (2 x 3) + 36

(5) (2 x 3) ÷ 36

8. Sherrie works 5 hours each Monday, Wednesday, and Friday at In and Out. On Tuesday and Thursday, she works 4 hours each day. Which expression represents the **total** number of hours Sherrie works each week?

① ② ③ ④ ⑤

(1) (5) (3) + (4) (2)

(2) (5) (2) + (4) (8)

(3) (5) (4) + (3) (2)

(4) (5 + 4) (3 + 2)

(5) (5 + 3) (4 + 2)

9. James can lay 46 porcelain tiles each hour, and his assistant, Steven can lay 41 floor tiles each hour. Which expression tells how many **total** porcelain tiles they can lay together in 4 hours?

① ② ③ ④ ⑤

(1) (4) (46) – (4) (41)

(2) $\frac{(46 - 41)}{4}$

(3) $\frac{(46 + 41)}{4}$

(4) (4) (46) – 41)

(5) (4) (46 + 41)

Question 10 refers to the information below.

Federal Tax	$ 245.00
Social Security	$ 68.00
Medical Insurance	$ 42.00

10. Joseph's gross pay is $1325.00. The deductions above are withheld from Joseph's pay each month. Which expression represents his **take home** pay?

① ② ③ ④ ⑤

(1) 1325 – (245 – 68 – 42)

(2) 1325 + (245 + 68 + 42)

(3) 1325 – (245 + 68 + 42)

(4) (245 – 68 – 42) + 1325

(5) (245 + 68 + 42) – 1325

11. Pomegranate juice costs $4.29 for 6 cans. Which expression represents the cost **per** can?

① ② ③ ④ ⑤

(1) $\frac{\$4.29}{6}$

(2) $4.29 x 6

(3) $4.29 + 6

(4) $4.29 – 6

(5) $\frac{6}{\$4.29}$