

1. Louise bought food for \$20 and soft drinks for \$10. Which expression shows **how much change** she should get if she gave the cashier at Safeway \$50?

① ② ③ ④ ⑤

(1) $(20 + 10) - 50$

(2) $50 - (20 - 10)$

(3) $50 - (20 + 10)$

(4) $50 (20 + 10)$

(5) $50 + 20 + 10$

2. Dennis bought a car for \$5,000. He made a down payment of \$600 and he also received a discount of \$200 to be used toward his car. Which expression shows **how much he still owes** on the car?

① ② ③ ④ ⑤

(1) $(600 + 200) - 5,000$

(2) $5,000 - (600 - 200)$

(3) $5,000 - (600 + 200)$

(4) $5,000 (600 + 200)$

(5) $5,000 + 600 + 200$

3. In January Luna's telephone bill was \$70. In February and March her telephone bills were \$60 and \$50. Which expression shows her **average** phone costs for those 3 months?

① ② ③ ④ ⑤

(1) $\frac{3}{(70 + 60 + 50)}$

(2) $3 (70 + 60 + 50)$

(3) $\frac{(70 + 60 + 50)}{3}$

(4) $70 + 60 + 50$

(5) $(70 + 60 + 50) - 3$

4. Marie and her two roommates paid \$4,800 in rent for the year. Which expression shows what they paid **each** month for rent?

① ② ③ ④ ⑤

(1) $4,800 (12)$

(2) $\frac{4,800}{12}$

(3) $\frac{12}{4,800}$

(4) $4,800 + 12$

(5) $12 - 4,800$

5. Bobby pumped 9 gallons of gas at \$1.20 per gallon. Which expression shows **how much change** he will get back if he gives the attendant \$12.00?

① ② ③ ④ ⑤

(1) $12.00 - 1.20$

(2) $(1.20 \times 9) - 12.00$

(3) $12.00 - (1.20 \times 9)$

(4) $12.00 (1.20 \times 9)$

(5) $12.00 + (1.20 \times 9)$

6. Laura and Carlos bought a TV for \$140 and a radio for \$50. Which expression shows **how much change** they will get back if they give the clerk \$200?

① ② ③ ④ ⑤

(1) $(140 - 50) - 200$

(2) $200 - (140 + 50)$

(3) $\frac{(140 + 50)}{200}$

(4) $140 + 50 + 200$

(5) $200 - (140 - 50)$

7. John's employer deducts \$200 in federal taxes and \$100 in state taxes. Which expression shows his **net** salary if his gross salary is \$1200?

① ② ③ ④ ⑤

- (1) $1200 - (100 + 200)$
 (2) $(100 + 200) - 1200$
 (3) $1200 + 100 + 200$
 (4) $1200 \div 200 - 100$
 (5) $1200 (200 + 100)$

8. Which expression shows the **average** of the following weights? 110, 234, 119, and 273

① ② ③ ④ ⑤

- (1) $\frac{(110 + 234 + 119 + 273)}{4}$
 (2) $\frac{4}{(110 + 234 + 119 + 273)}$
 (3) $110 + 234 + 119 + 273$
 (4) $110 (234 + 119 + 273)$
 (5) $110 (234 - 119 - 273)$

9. Which expression shows the **median** of 95, 21, 33, and 75?

① ② ③ ④ ⑤

- (1) $\frac{(33 + 21)}{4}$
 (2) $\frac{(33 + 75)}{2}$
 (3) $\frac{(21 + 95)}{2}$
 (4) $\frac{(33 + 75 + 21 + 95)}{2}$
 (5) $\frac{(33 + 75 + 21 + 95)}{4}$

10. Pauline bought a dress for \$22 and a new pair of shoes for \$20. Which expression shows **how much change** she will get back from \$50?

① ② ③ ④ ⑤

- (1) $(22 + 20) - 50$
 (2) $50 - (22 + 20)$
 (3) $\frac{(22 + 20)}{50}$
 (4) $50 (22 + 20)$
 (5) $50 + 22 + 20$

11. Alfred bought 5 pounds of potatoes at \$.75 per pound and 3 pounds of onion at \$.45 per pound. Which expression shows how much he spent **all together**?

① ② ③ ④ ⑤

- (1) $(.75 \times 3) + (.45 \times 5)$
 (2) $(.75 \times 5) + (.45 \times 3)$
 (3) $(.75 \times 5) - (.45 \times 3)$
 (4) $(.75 + 5) + (.45 + 3)$
 (5) $(.75 - 5) + (.45 - 3)$

12. Josie has \$100 in her checking account. She spent \$15 at Gibson's, \$10 at Six Star, and \$5 at Loaf 'n Jug. Which expression shows the **balance** in her checking account?

① ② ③ ④ ⑤

- (1) $(15 + 10 + 5) - 100$
 (2) $100 - (15 + 10 + 5)$
 (3) $100 + (15 + 10 + 5)$
 (4) $100 + 15 + 10 + 5$
 (5) $100 (15 + 10 + 5)$

13. Neva deposited \$80 in her checking account. She wrote checks for \$5.00, \$35.00, \$20.00, and \$10.00. Which expression shows the **balance** in her checking account?
① ② ③ ④ ⑤
- (1) $80 - (5 + 35 + 20 + 10)$
(2) $(5 + 35 + 20 + 10) - 80$
(3) $80 + (5 + 35 + 20 + 10)$
(4) $80 (5 + 35 + 20 + 10)$
(5) $80 / (5 + 35 + 20 + 10)$
14. Rick bought 2 new tires for his car at \$95 each and 6 gallons of windshield cleaner at \$2.00 each. Which expression shows the **total** amount Rick spent?
① ② ③ ④ ⑤
- (1) $(95 \times 6) + (2 \times 2)$
(2) $(95 \times 2) + (2 \times 6)$
(3) $(95 \times 2) - (2 \times 6)$
(4) $(95 \times 6) - (2 \times 2)$
(5) $(95 + 2) - (2 + 6)$
15. Mia bought a 1999 Volkswagen Beetle for \$18,000. The Volkswagen dealer will give her \$2,000 on a trade in, and Mia put \$1,000 down. Which expression shows how much she has **left** to pay on her new car?
① ② ③ ④ ⑤
- (1) $18,000 - (2,000 + 1,000)$
(2) $(2,000 + 1,000) - 18,000$
(3) $18,000 + 2,000 + 1,000$
(4) $18,000 - (2,000 - 1,000)$
(5) $18,000 + 2,000 + 1,000$
16. Justin plans to fly to Phoenix. Southwest Airlines is offering one way fares for \$90. United Airlines is offering roundtrip fares for \$190. Which expression shows the **difference** in price for **round trip fares** for United Airlines and Southwest?
① ② ③ ④ ⑤
- (1) $(90 \times 2) - 190$
(2) $190 - (90 \times 2)$
(3) $190 - 90$
(4) $190 + 90$
(5) $190 + 90 + 2$
17. Catherine and David rented three movies for \$6. They rented a fourth one for \$3. They gave the clerk \$20. Which expression shows **how much change** they should get back?
① ② ③ ④ ⑤
- (1) $20 - (6 - 3)$
(2) $(6 + 3) - 20$
(3) $20 - (6 + 3)$
(4) $20 + 6 + 3$
(5) $20 / (6 + 3)$