

TRUE/FALSE

1. $9 + 7 \cdot 2 = 23$

ANS: T

PTS: 1

MSC: smmp08.01.02.03am

2. $18 - 1 + 7 = 24$

ANS: T

PTS: 1

MSC: smmp08.01.02.04am

3. $136 - 8 \cdot 17 = 8$

ANS: F

PTS: 1

MSC: smmp08.01.02.04bm

4. $27 \div 9 \cdot 4 = 12$

ANS: T

PTS: 1

MSC: smmp08.01.02.05am

5. $12 \div 4 + 6 = 9$

ANS: T

PTS: 1

MSC: smmp08.01.02.05bm

6. $8 \cdot 1 + 5 \cdot 3 = 23$

ANS: T

PTS: 1

MSC: smmp08.01.02.09am

7. $8 \cdot 10 + 7 \cdot 5 = 115$

ANS: T

PTS: 1

MSC: smmp08.01.02.09bm

8. $5 \cdot 2 + 5 \cdot 11 - 19 = 46$

ANS: T

PTS: 1

MSC: smmp08.01.02.15m

9. $7(4) - 3(6) = 12$

ANS: F

PTS: 1

MSC: smmp08.01.02.33m

10. $5(8 + 3) + 6 = 60$

ANS: F

PTS: 1

MSC: smmp08.01.02.43m

MULTIPLE CHOICE

1. Use the distributive property to evaluate the expression.

$6(8 + 4)$

- a. 32
- b. 72
- c. 52
- d. 38
- e. 18

ANS: B

PTS: 1

MSC: smmp08.01.02.10bm

2. Use the order of operations to evaluate the expression.

$$7 + 15 \cdot 10 \div 5$$

- a. 37
- b. 757
- c. 44
- d. 162
- e. 157

ANS: A

PTS: 1

MSC: smmp08.01.02.12bm

3. Translate the word statement to a numerical statement.

Seven times the difference of 6 and 2

- a. $7(2-6)$
- b. $7 \cdot 6 - 2$
- c. $7(6-2)$
- d. $7 \cdot \frac{6}{2}$
- e. none of these

ANS: C

PTS: 1

MSC: smmp08.01.02.26m

4. Translate the word statement to a numerical statement.

Eight times the difference of 4 from 5

- a. $8 \cdot \frac{5}{4}$
- b. $8 \cdot 5 - 4$
- c. $8 \cdot 4 - 5$
- d. $8(4-5)$
- e. $8(5-4)$

ANS: E

PTS: 1

MSC: smmp08.01.02.27m

5. Evaluate the following expression.

$$(5+15)(58-8)$$

- a. 1,152
- b. 867
- c. 70

- d. 1,000
- e. none of these

ANS: D PTS: 1 MSC: smmp08.01.02.35m

6. Evaluate the following expression.

$$58 - 2[30 - (7 + 5)]$$

- a. 2
- b. 1,008
- c. 10
- d. 1,568
- e. 22

ANS: E PTS: 1 MSC: smmp08.01.02.44m

7. A student pays \$311 rent each month. How much money does she spend on rent in 2 years?

- a. \$7,464
- b. \$7,775
- c. \$652
- d. \$7,474
- e. \$622

ANS: A PTS: 1 MSC: smmp08.01.02.50m

8. A family has an annual income of \$25,560. How much is their monthly income?

- a. \$2,254
- b. \$2,130
- c. \$1,686
- d. \$2,352
- e. none of these

ANS: B PTS: 1 MSC: smmp08.01.02.52m

9. A family has an annual income of \$47,840. Assume that a work week is 40 hours. How much is their hourly income?

- a. \$20
- b. \$30
- c. \$23
- d. \$25
- e. none of these

ANS: C PTS: 1 MSC: smmp08.01.02.52am

10. A car with a tank that holds 20 gallons of gasoline goes 42 miles on one gallon. How far can the car go on a full tank?

- a. 830 mi
- b. 835 mi
- c. 840 mi

- d. 850 mi
- e. 845 mi

ANS: C

PTS: 1

MSC: smmp08.01.02.54m

NUMERIC RESPONSE

1. A family has an annual income of \$30,960. How much is their monthly income?

\$ _____ per month

ANS: 2,580

PTS: 1

MSC: smmp08.01.02.52

2. A family has an annual income of \$20,800. Assume that a work week is 40 hours. How much is their hourly income?

\$ _____ per hour

ANS: 10

PTS: 1

MSC: smmp08.01.02.52a

3. A car with a tank that holds 13 gallons of gasoline goes 49 miles on one gallon. How far can the car go on a full tank?

_____ miles

ANS: 637

PTS: 1

MSC: smmp08.01.02.54

4. Evaluate the following expression.

$$3 + 5 \cdot 2$$

ANS: 13

PTS: 1

MSC: smmp08.01.02.03a

5. Evaluate the following expression.

$$12 - 1 + 19$$

ANS: 30

PTS: 1

MSC: smmp08.01.02.04a

6. Evaluate the following expression.

$$48 - 4 \cdot 12$$

ANS: 0

PTS: 1 MSC: smmp08.01.02.04b

7. Evaluate the following expression.

$$15 \div 3 \cdot 8$$

ANS: 40

PTS: 1 MSC: smmp08.01.02.05a

8. Simplify the following expression.

$$15 \div 5 + 4$$

ANS: 7

PTS: 1 MSC: smmp08.01.02.05b

9. Simplify the following expression.

$$14 \cdot 1 + 4 \cdot 3$$

ANS: 26

PTS: 1 MSC: smmp08.01.02.09a

10. Simplify the following expression.

$$4 \cdot 6 + 7 \cdot 5$$

ANS: 59

PTS: 1 MSC: smmp08.01.02.09b

11. Use the distributive property to evaluate the expression.

$$8(3 + 9)$$

ANS: 96

PTS: 1 MSC: smmp08.01.02.10b

12. Use the order of operations to evaluate the expression.

$$8 + 15 \cdot 4 \div 5$$

ANS: 20

PTS: 1 MSC: smmp08.01.02.12b

13. Simplify the following expression.

$$2 \cdot 9 + 2 \cdot 6 - 14$$

ANS: 16

PTS: 1 MSC: smmp08.01.02.15

14. Evaluate the following expression.

$$5(7) - 3(4)$$

ANS: 23

PTS: 1 MSC: smmp08.01.02.33

15. Evaluate the following expression.

$$(6 + 14)(44 - 4)$$

ANS: 800

PTS: 1 MSC: smmp08.01.02.35

16. Evaluate the following expression.

$$8(4 + 7) + 9$$

ANS: 97

PTS: 1 MSC: smmp08.01.02.43

17. Evaluate the following expression.

$$44 - 9[17 - (9 + 4)]$$

ANS: 8

PTS: 1 MSC: smmp08.01.02.44

18. A student pays \$430 rent each month. How much money does she spend on rent in 4 years?

\$_____

ANS: 20,640

PTS: 1 MSC: smmp08.01.02.50

SHORT ANSWER

1. Translate the word statement to a numerical statement.

Nine times the difference of 6 and 4

ANS:

$$9(6 - 4)$$

PTS: 1

MSC: smmp08.01.02.26

2. Translate the word statement to a numerical statement.

Seven times the difference of 3 from 5

ANS:

$$7(5 - 3)$$

PTS: 1

MSC: smmp08.01.02.27