

How Can You Avoid Getting a Flat Tire?

Write the letter of the answer in the box containing the exercise number. If the answer has a solid circle, fill in the box instead of writing a letter.

Simplify the expression.

1 $90 + 9 \cdot 2$

2 $30 - 15 \div 5$

3 $4 \cdot 3 + \frac{35}{5}$

4 $64 \div 8 \cdot 2^2$

5 $7 + 2(15 - 6)$

6 $\frac{16 \cdot 3 - 4}{16 - 3 \cdot 4}$

7 $25 - (2 + 2) \cdot 3$

8 $7 \cdot 3^2 - 20 + 1$

O 27

32

P 39

A 25

E 108

44

I 11

K 19

T 13

Evaluate for the given values of the variables.

17 $8 + 3n$ for $n = 6$

18 $(8 + 3)n$ for $n = 6$

19 $90 - 4d$ for $d = 3$

20 $7x + 2y$ for $x = 15, y = 20$

21 $\frac{8b + 1}{7 - 2a}$ for $a = 2, b = 4$

22 $2 + 5x^2$ for $x = 4$

23 $2 + (5x)^2$ for $x = 4$

24 $(2 + 5x)^2$ for $x = 4$

K 11

O 26

R 402

D 78

H 484

O 145

66

N 428

82

Simplify the expression.

9 $6(5 - 3)^3$

10 $9(15 - 3 + 4)$

11 $9[15 - (3 + 4)]$

12 $10^2 + 7\left(\frac{60}{5}\right)$

13 $\frac{2}{5}(4 + 4 \cdot 4)$

14 $18 \div 2 \cdot 3 + 5^3$

15 $\frac{8 + (7 - 1)^2}{20 - 9 \cdot 2}$

16 $5[4^3 - 2(9 + 6)]$

T 144

184

R 170

H 72

N 152

S 166

O 48

E 22

O 8

Evaluate for the given values of the variables.

25 $3[n + 2(11 - n)]$ for $n = 6$

26 $x^2 + xy - y^2$ for $x = 10, y = 3$

27 $7 + ab^3$ for $a = 8, b = 5$

28 $\frac{36 + 4kt}{36 - 4kt}$ for $k = 2, t = 3$

29 $100 - 2d^2 \div 9$ for $d = 6$

30 $\frac{1}{4}(m - 1)^2$ for $m = 9$

31 $\left[\frac{1}{4}(m - 1)\right]^2$ for $m = 9$

32 $5 + 5w - \frac{w}{5}$ for $w = 15$

F 92

S 83

R 77

U 16

L 1007

O 4

121

F 48

T 5

27	9	20	21	12	2	30	7	4	25	13	16	18	28	11	15
29	17	32	3	26	6	14	22	10	24	1	8	23	31	5	19

