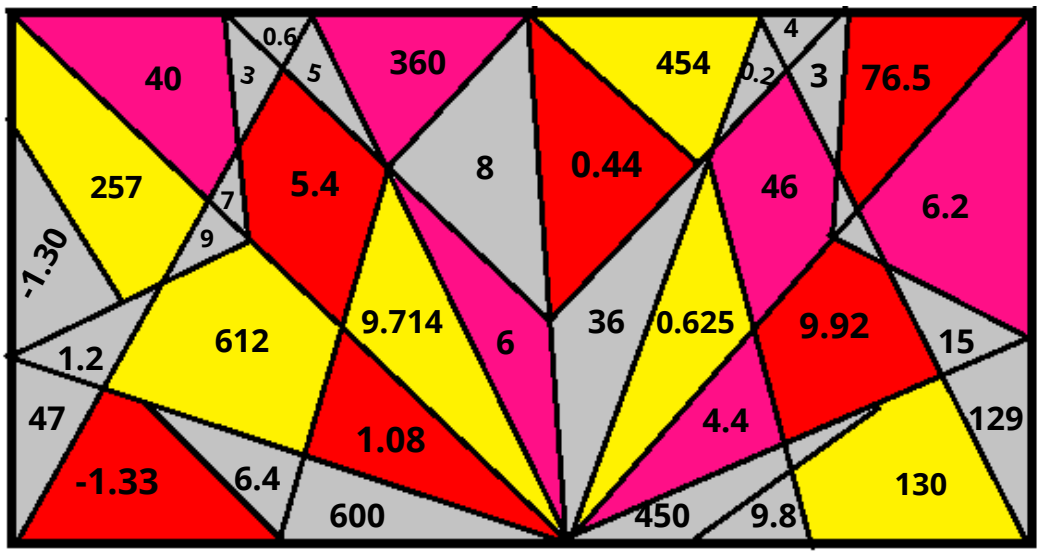
Answer



Find the value of each expression if m=6 & n=28

1. $8 + 2m \div 4 + n$
$8 + 2(6) \div 4 + 28$
$20 \div 32$
0.625

2. $9n + 5$
$9(28)+5$
257

3. $(m + n) + 16m$
$(6 + 28) + 16(6)$
$34 + 96$
130

4. $(3n - 16) \div 7$
$[3(28)-16] \div 7$
9.714

5. $(7m - 6) + (15n - 2)$
$[7(6)-6] + [15(28)-2]$
$(42-6) + (420-2)$
454

6. $18(m + n)$
$18(6+28)$
612

Find the value of each expression if x=2,y=5,z=3

7. $\dfrac{(xyz + yxz)^2}{10}$
$\dfrac{(2\times5\times3+5\times2\times3)^2}{10}$
$\dfrac{3600}{10} = 360$

8. $\dfrac{x^2 + y^2 + z^2 + 28}{11}$
$\dfrac{(2)^2 + (5)^2 + (3)^2 + 28}{11}$
$\dfrac{66}{11} = 6$

9. $\dfrac{14 + 2y + 4x + 10y}{9 - x + z}$
$\dfrac{14+2\times5+4\times2+10\times3}{9 - 2 + 3}$
$\dfrac{62}{10} = 6.2$

10. $(xyz/yz)^2 + (12y/xy)^2$
$[2\times5\times3/5\times3]^2 + [12\times5]/2\times5]^2$
$(2)^2 + (6)^2 = 40$

11. $z^2 + (30-5y+16x)$
$(3)^2 + [30-5(5)+16\times2]$
$9+(30-25+32)$
46

12. $\dfrac{2x^2 + 4z^2}{xy}$
$\dfrac{2(2)^2 + 4(3)^2}{2\times5} = \dfrac{44}{10}$ 4.4

Find the value of each expression if a=1/2 , b=5/2 , c=3/2

13. $\dfrac{(a - b)(a + b)}{a+b+c}$
$\dfrac{(1/2-5/2)(1/2+5/2)}{1/2+5/2+3/2}$
$-4/3 = -1.33$

14. $\dfrac{ab + bc + ca}{5a+2c+3b}$
$\dfrac{1/2\times5/2 + 5/2\times3/2 + 3/2\times1/2}{5(1/2) + 2(3/2) + 3(5/2)}$
$23/52 = 0.44$

15. $18a(b^2 + c^2)$
$18(1/2)[(5/2)^2 + (3/2)^2$
$9(34/4) = 76.5$

16. $\dfrac{b}{a} + \dfrac{c - a}{b}$
$\dfrac{5/2}{1/2} + \dfrac{3/2 - 1/2}{5/2}$
$\dfrac{27}{5} = 5.4$

17. $\dfrac{a^2 - b^2}{a^2 + b^2} + 2a + 2b + 2c$
$\dfrac{(1/2)^2-(5/2)^2}{(1/2)^2+(5/2)^2} + 2\times1/2+2\times5/2+2\times3/2$
$0.92+9 = 9.92$

18. $\dfrac{a+2b+5a+c}{a^2 + b^2+c^2}$
$\dfrac{1/2+2(5/2)+5(1/2)+3/2}{(1/2)^2+2(5/2)^2+(3/2)^2}$
$38/35 = 1.08$