

Answers A-E:

$\frac{11a - 15}{2a - 3}$	COWBOY
$\frac{-29a - 21}{5a + 2}$ (E)	WAS
$\frac{8a + 17}{a + 4}$	FRIENDLY
$\frac{2a + 5}{a}$ (A)	THE
$\frac{-3(2a - 3)}{3a - 1}$ (D)	WHO
$\frac{3a + 20}{a + 4}$ (B)	NOVICE
$\frac{-27a - 16}{5a + 2}$	TRIED
$\frac{13a - 12}{2a - 3}$ (C)	TREADOR
$\frac{-a + 10}{3a - 1}$	FROM

# Did You Hear About...

A	B	C	D	E
the	novice	foreador	who	was
F	G	H	I	J
arrested	for	shooting	the	bull ?

Express each sum or difference below in simplest form. Find your answer in the appropriate answer column and notice the word beneath it. Write this word in the box containing the letter of that exercise. Keep working and you will hear about somebody who got a rest.

- (A)  $\frac{5}{a} + 2$
- (B)  $\frac{8}{a + 4} + 3$
- (C)  $4 + \frac{5a}{2a - 3}$
- (D)  $\frac{7}{3a - 1} - 2$
- (E)  $\frac{a - 9}{5a + 2} - 6$
- (F)  $\frac{3x + 1}{x^2 + 10} + 4$
- (G)  $\frac{5}{x^2 - 9} + \frac{2}{x - 3} + 1$
- (H)  $\frac{x}{x + 2} + \frac{x}{x - 2} - 5$
- (I)  $\frac{10}{x - 3} - \frac{10}{x + 5} + 2$
- (J)  $3 + \frac{2x}{x - 2} - \frac{5x}{x - 5}$

Answers F-J:

$\frac{2x^2 + 4x + 50}{(x - 3)(x + 5)}$	THE
(I) $\frac{x^2 + 5x + 30}{x^2 + 10}$	KILLED
$\frac{x^2 + 2x + 2}{(x + 3)(x - 3)}$	FOR
(G) $\frac{-3(7x - 10)}{(x - 2)(x - 5)}$	BULL
(J) $\frac{x^2 + 6x - 30}{(x - 3)(x + 5)}$	SPITBALLS
$\frac{4x^2 + 3x + 41}{x^2 + 10}$	ARRESTED
(F) $\frac{3x^2 + x - 3}{(x + 3)(x - 3)}$	WHEN
$\frac{-3x^2 + 20}{(x + 2)(x - 2)}$	SHOOTING
(H) $\frac{-5x^2 + 12}{(x + 2)(x - 2)}$	THROWING

(A)  $\frac{5}{a} + \frac{2x^a}{1ka}$

$\frac{5}{a} + \frac{2a}{a}$

$\frac{5+2a}{a}$

(B)  $\frac{8}{a+4} + \frac{3}{1}$

$\frac{8}{a+4} + \frac{3(a+4)}{a+4}$

$\frac{8+3a+12}{a+4}$

$\frac{3a+20}{a+4}$

(C)  $\frac{4}{1} + \frac{5a}{2a-3}$

$\frac{4(2a-3)}{2a-3} + \frac{5a}{2a-3}$

$\frac{8a-12+5a}{2a-3}$

$\frac{13a-12}{2a-3}$

(D)  $\frac{7}{3a-1} - \frac{2}{1}$

$\frac{7}{3a-1} - \frac{2(3a-1)}{3a-1}$

$\frac{7-6a+2}{3a-1}$

$\frac{-6a+9}{3a-1}$

$\frac{-3(2a+3)}{3a-1}$

(E)  $\frac{a-9}{5a+2} - \frac{6}{1}$

$\frac{a-9}{5a+2} - \frac{6(5a+2)}{5a+2}$

$\frac{a-9-30a-12}{5a+2}$

$\frac{-29a-21}{5a+2}$

(F)  $\frac{3x+1}{x^2+10} + \frac{4(x^2+10)}{x^2+10}$

$\frac{3x+1+4x^2+40}{x^2+10}$

$\frac{4x^2+3x+41}{x^2+10}$

(G)  $\frac{5}{(x+3)(x-3)} + \frac{2(x+3)}{(x-3)(x+3)} + \frac{(x+3)(x-3)}{(x+3)(x-3)}$

$\frac{5+2x+6+x^2-9}{(x+3)(x-3)}$

$\frac{x^2+2x+2}{(x+3)(x-3)}$

(H)  $\frac{x(x-2)}{(x+2)(x-2)} + \frac{x(x+2)}{(x-2)(x+2)} - \frac{5(x+2)(x-2)}{(x+2)(x-2)}$

$\frac{x^2-2x+x^2+2x-5x^2+20}{(x+2)(x-2)}$

$\frac{-3x^2+20}{(x+2)(x-2)}$

(I)  $\frac{10(x+5) - 10(x-3) + 2(x^2+2x-15)}{(x+5)(x-3)}$

$\frac{10x+50-10x+30+2x^2+4x-30}{(x+5)(x-3)}$

$\frac{2x^2+4x+50}{(x+5)(x-3)} = \frac{2(x^2+2x+25)}{(x+5)(x-3)}$

(J)  $\frac{3(x^2-7x+10)}{(x-2)(x-5)} + \frac{2x(x-5)-5x(x-2)}{(x-2)(x-5)}$

$\frac{3x^2-21x+30+2x^2-10x-5x^2+10x}{(x-2)(x-5)}$

$\frac{-21x+30}{(x-2)(x-5)} = \frac{-3(7x+10)}{(x-2)(x-5)}$