Master Maths 10 Worksheet 22 Solving Linear Equations



Name: _____

1. Solve the following Any answers that simplest form.	ng equations. are fractions write in their
(a) $3x = 21$	(b) $m + 5 = -7$
(c) $\frac{a}{4} - 6 = -4$	(d) $8m + 5 = 11$





(e) $\frac{n+4}{3} = 1$ (f) $\frac{8x}{5} = 2$

(g)
$$\frac{4n+5}{3} = -1$$
 (h) $\frac{4a}{9} + 5 = -3$



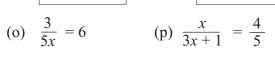
(i)
$$\frac{3x-5}{4} + 1 = 5$$
 (j) $\frac{2n-5}{8} - 4 = -7$





(m) 3m + 1 = 5m - 7 (n) 2m - 9 = 3(2m + 5)







2. Write the following statement as an equation and solve.

If seven is subtracted from three times this number and the result is multiplied by four the answer is 32.

equation

3. A 10 kg watermelon is cut into three pieces.

The largest piece is 1 kg heavier than the next and 2.5 kg heavier than the smallest.

What does the heaviest piece weigh?