Answers for Saturday 18th/4/2020 (Pg 1)

$3a+b+c = 3\times a+b+c$

$= (3\times 2)+3+5$

$= 6+8$

$= 14$

$\frac{2(ym)+2}{(m-y)-6}$

$= \frac{2\times(y\times m)+2}{(m-y)-6}$

$\frac{2\times y \times 2\times m+2}{m-y-6}$

$\frac{(2\times -3)\times(2\times 2)+2}{(2--3)-6}$

$= \frac{(-6\times 4)+2}{5-6}$

$= \frac{-24+2}{-1}$

$= +\frac{22}{+1}$

$= 22$

Simplify $2x+3x$

$2x+3x = 5x$

$b(a^2+c)$

$= 3((-2)^2+4)$

$= 3(4+4)$

$= 3\times 8$

$= 24$

$2K+6m$

$= 2\times 5+6(3\times 5)$

$= 10+6\times 15$

$= 10+90$

$= 100$

$a^2-b^3 = a\times a-b\times b\times b$

$= (3\times 3)-(-2\times -2)\times -2$

$9-(4\times -2)$

$9-(-8)$

$9+8$

$= 17$

let daughter's age = y

daughter	kirya	difference
y	3y	36

$3y - y = 36$

$\frac{2y}{2} = \frac{36}{2}$

$y = 18$

The daughter is 18 yrs old. ✓

$3x - 3 = 15 + x$

$3x - 3 + 3 = 15 + 3 + x$

$3x = 18 + x$

$3x - x = 18 + x - x$

$\frac{2x}{2} = \frac{18}{2}$

$x = 9$ ✓

a) 35 pupils ✓

b) Highest = 50

lowest = 30

Diff = 50 − 30

= 20 pupils ✓

c) 40 + 30 + 35 + 45 + 50

= 70 + 80 + 50

= 200 pupils ✓

Average = $\frac{\text{Sum of data}}{\text{No. of data}}$

$= \frac{200}{5}$

= 40 ✓ pupils

$\frac{2n+r}{r} = \frac{2 \times n + r}{r}$

$= \frac{2 \times 3 + -2}{-2}$

$= \frac{6 + -2}{-2}$

$= \frac{4}{-2}$ $^{-2}$

$= -2$ ✓