

8E: Substituting into an expression

- 1 If $n = 2$, write the values of these. Find your answer in the box and shade it.

a $3n = \underline{6}$

b $6n = \underline{\quad}$

c $n + 3 = \underline{\quad}$

d $n - 1 = \underline{\quad}$

e $10 - n = \underline{\quad}$

f $2n + 11 = \underline{\quad}$

g $20 - 3n = \underline{\quad}$

h $15 - 4n = \underline{\quad}$

i $4 \times (n + 6) = \underline{\quad}$

j $3 \times (9 - n) = \underline{\quad}$

k $\frac{n}{2} + 9 = \underline{\quad}$

18	21	16	14	4
20	8	9	1	19
3	12	5	15	13
42	6	25	32	2
11	7	31	10	17

The shaded numbers make the letter .

2 FACT FILE

7 5 30 22 12 8 5 8 30 18 9 0 13 8 12 13 12 2 5 10 0

11 22 0 2 0 5 12 5 13 2 6 5 8 5 8

If $p = 2$, $q = 5$ and $r = 7$, find the value of these.

Write the letter that is beside each expression above the answer in the box.

A $3p = \underline{6}$

I $r - p = \underline{\quad}$

E $p + q - r = \underline{\quad}$

W $2p + r = \underline{\quad}$

H $3q + r = \underline{\quad}$

O $2r - q = \underline{\quad}$

D $2x(p + r) = \underline{\quad}$

S $p^2 + q = \underline{\quad}$

N $\frac{16}{p} = \underline{\quad}$

T $2x(p + 4) = \underline{\quad}$

K $2x(r - p) = \underline{\quad}$

G $q^2 + 5 = \underline{\quad}$

L $\frac{r}{7} + 6 = \underline{\quad}$

R $\frac{3p}{2} - 1 = \underline{\quad}$

- 3 If $r = 6$, $s = 5$ and $t = 4$, circle **T** (true) or **F** (false) for each of the following.

a $5t = 25$ **T** **F**

b $6s = 5r$

T **F**

c $3t = 2r$

T **F**

d $3t - s = r$ **T** **F**

e $6 \times (t + r) = 60$

T **F**

f $3 \times (r - t) = s$ **T** **F**