

## Evaluating Algebraic Expressions

- 1) Evaluate each of the following expressions for the given values of  $y$ .

 The first ones are done for you

 Write the answer **ONLY**

| Expression | Value of the expression when |                           |
|------------|------------------------------|---------------------------|
|            | $y = 25$                     | $y = 16$                  |
| $y + 5$    | $25 + 5 = \underline{30}$    | $16 + 5 = \underline{21}$ |
| $y + 43$   |                              |                           |
| $y - 12$   |                              |                           |
| $y - 7$    |                              |                           |
| $40 + y$   |                              |                           |
| $35 - y$   |                              |                           |



2) Find the value of each expression when  $t = 12$



The first one is done for you as an example



Write the answer **ONLY**

|                                                                                                                                           |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <p>a) <math>2t = \underline{24}</math><br/><math>= 2 \times t</math><br/><math>= 2 \times 12</math><br/><math>= \underline{24}</math></p> | <p>b) <math>\frac{t}{6} = \underline{\hspace{2cm}}</math></p>       |
| <p>c) <math>5t = \underline{\hspace{2cm}}</math></p>                                                                                      | <p>d) <math>\frac{t}{12} = \underline{\hspace{2cm}}</math></p>      |
| <p>e) <math>20t = \underline{\hspace{2cm}}</math></p>                                                                                     | <p>f) <math>\frac{t}{2} = \underline{\hspace{2cm}}</math></p>       |
| <p>g) <math>13x - 4 = \underline{\hspace{2cm}}</math></p>                                                                                 | <p>h) <math>\frac{5x}{5} + 12 = \underline{\hspace{2cm}}</math></p> |

**3) Find the value of  $5x + 8y$ , when  $x = 2$  and  $y = 3$**

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**4) Find the value of  $\frac{2m-2}{n}$  when  $m = 7$  and  $n = 4$**

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**5) Find the value of  $\frac{4a}{5b}$  when  $a = 5$  and  $b = 1$**

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Teacher Dini/Year 6/SRDMWL/2022