

Math 5

UNIT 1 – Numerical Expressions

1-1 Writing and Interpreting Numerical Expressions

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| **Name:** |  | **Date:** |  |

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| **Common Core Standards** | [CCSS.MATH.CONTENT.5.OA.A.2](http://www.corestandards.org/Math/Content/5/OA/A/2/)  Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. *For example,* *express the calculation "add 8 and 7, then multiply by 2" as 2 × (8 + 7).* *Recognize that 3 × (18932 + 921) is three times as large as 18932 + 921,* *without having to calculate the indicated sum or product*. |

* 1. Writing and Interpreting

Numerical Expressions

**Writing Numerical Expressions**

Verbal Phrase:

Thrice the sum of seven and five

**Interpreting Numerical Expressions**

Situation:

Mike is 5 years old. His father is 6 times plus 3 years older than him. Draw a tape diagram and numerical expression that shows his father’s age.

Tape Diagram:

5

Mike’s age

5

5

5

5

5

5

3

Mike’s dad’s age

Numerical Expression:

More than? Less than? Equal?

Compare the given numerical expressions using >,< or =.

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| --- | --- | --- |
|  |  | Two seventeens  doubled |
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Task Cards

Match the pink card with the blue card with the correct verbal phrase of the given numerical expressions.

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| --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **1.** | |  | |  | |  | | --- | | **a.** | | Nine divided by the sum of three and five multiplied by the difference of three and two | |
|  |  |  |
| |  | | --- | | **2.** | |  | |  | |  | | --- | | **b.** | | The quotient of nine and three plus the product of five and three minus two | |

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| **3.** |
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| **c.** |
| The quotient of the sum of 40 and 10 and the difference of five and four, multiplied by two |

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| |  | | --- | | **4.** | |  | |  | |  | | --- | | **d.** | | The quotient of nine and three plus five, times the difference of three and two | |
|  |  |  |
| |  | | --- | | **5.** | |  | |  | |  | | --- | | **e.** | | The quotient of forty and ten plus the difference of five and four multiplied by two | |

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| **6.** |
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| **f.** |
| Forty plus the quotient of ten and five minus the product of four and two |

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|  | **ANSWER KEY** | | |
|  | **Situation 1** |  | |
|  | **1.** | **=** | |
|  | **2.** | **>** | |
|  | **3.** | **<** | |
|  | **Task Cards** | |  | |
|  | **1.** | | **D** | |
|  | **2.** | | **A** | |
|  | **3.** | | **B** | |
|  | **4.** | | **C** | |
|  | **5.** | | **E** | |
|  | **6.** | | **F** | |