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Math 5

UNIT 1 – Numerical Expressions

1-1 Writing and Interpreting Numerical Expressions

Name:		Date:	

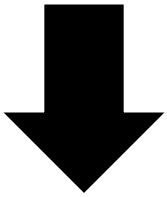
Common Core Standards	CCSS.MATH.CONTENT.5.OA.A.2 Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. *For example, express the calculation "add 8 and 7, then multiply by 2" as 2 × (8 + 7). Recognize that 3 × (18932 + 921) is three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

1-1 Writing and Interpreting Numerical Expressions

Writing Numerical Expressions

Verbal Phrase:

Thrice the sum of seven and five



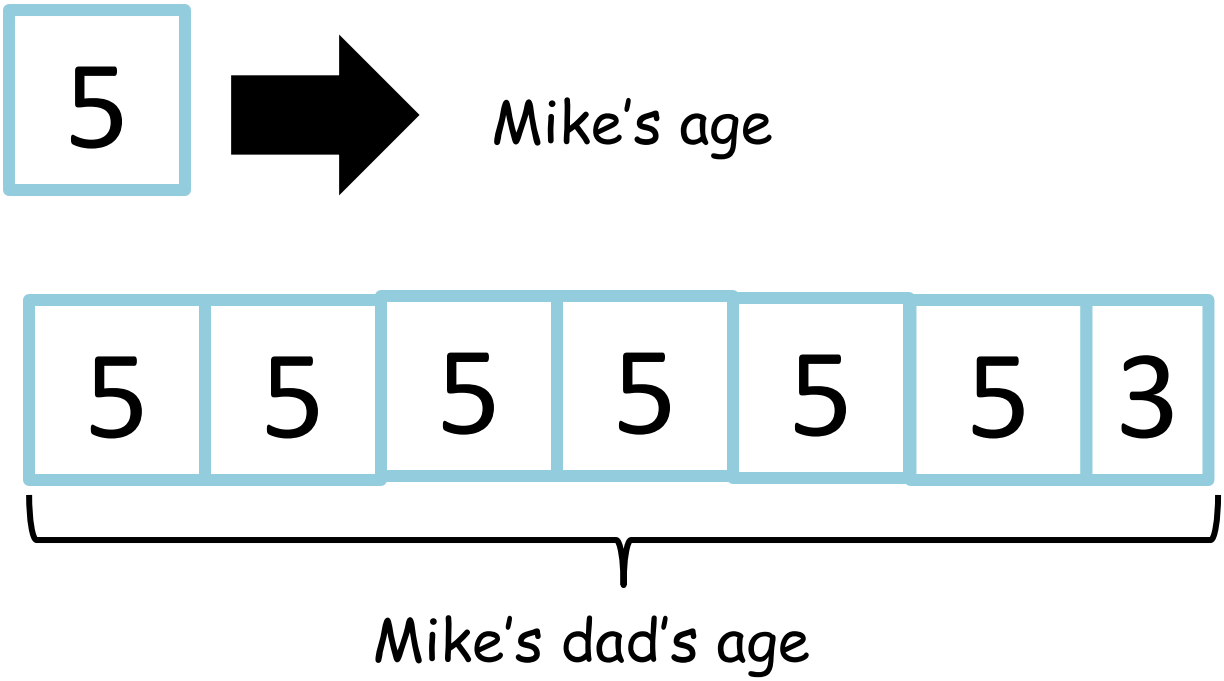
$$3 \times (7 + 5)$$

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.

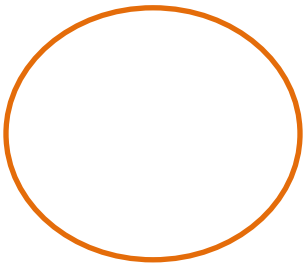
Tape Diagram:

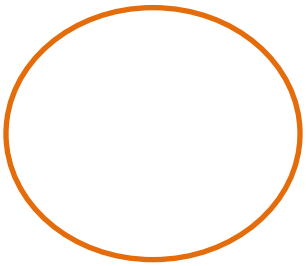


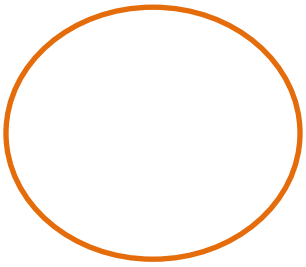
Numerical Expression: $(6 \times 5) + 3$

More than? Less than? Equal?

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

1. 17×4  Two seventeens doubled

2. $(7 + 3) \times 5$  $6 \times (8 + 2)$

3. $(22 + 1) \times 12$  $21 \times (20 + 2)$

Task Cards

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

1.
$(9 \div 3) + 5 \times (3 - 2)$

a.
Nine divided by the sum of three and five multiplied by the difference of three and two

2.
$9 \div (3 + 5) \times (3 - 2)$

b.
The quotient of nine and three plus the product of five and three minus two

3.
$(9 \div 3) + (5 \times 3) - 2$

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

4.
$(40 + 10) \div (5 - 4) \times 2$

d.
The quotient of nine and three plus five, times the difference of three and two

5.
$(40 \div 10) + (5 - 4) \times 2$

e.
The quotient of forty and ten plus the difference of five and four multiplied by two

6.
$40 + (10 \div 5) - (4 \times 2)$

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

ANSWER KEY

Situation 1

1. **=**

2. **>**

3. **<**

Task Cards

1. **D**

2. **A**

3. **B**

4. **C**

5. **E**

6. **F**