Reading Numerical Expressions

Name: _____

Grade 5 · Say what an expression means and compare expressions without solving them

How it works

You can tell what an expression means without working it out.
4 × (250 + 38) means "4 times the sum of 250 and 38". Whatever 250 + 38 is, this is **4 times as large**.
(250 + 38) ÷ 2 means "the sum of 250 and 38, divided by 2". It is **half** as large as 250 + 38.

A. Match. Write the letter of the words that mean the same as the expression.

1. **(9 + 6) × 3** _____
2. **9 + 6 × 3** _____
3. **(9 – 6) × 3** _____
4. **9 × 6 – 3** _____
5. **9 × (6 – 3)** _____
6. **(9 + 6) ÷ 3** _____

A. 9 plus the product of 6 and 3

B. 3 less than the product of 9 and 6

C. the sum of 9 and 6, times 3

D. the sum of 9 and 6, divided by 3

E. the difference of 9 and 6, times 3

F. 9 times the difference of 6 and 3

B. Write each expression in words.

1. **(12 + 8) × 5** _____
2. **40 – 6 × 3** _____
3. **(30 – 12) ÷ 6** _____
4. **7 × (4 + 9)** _____

C. Do not solve. Fill in the blank.

1. **3 × (4,618 + 925)** is _____ times as large as 4,618 + 925.
2. **(7,340 – 1,286) × 10** is _____ times as large as 7,340 – 1,286.
3. **(864 + 152) ÷ 2** is _____ as large as 864 + 152.

D. Do not solve. Write >, < or = in each circle.

1. **2 × (345 + 76)** ◯ **345 + 76**
2. **(1,208 + 96) ÷ 4** ◯ **1,208 + 96**
3. **5 × (60 + 3)** ◯ **5 × 60 + 5 × 3**
4. **(900 – 45) × 3** ◯ **(900 – 45) × 8**

Reading Numerical Expressions (Answer Key)

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How it works

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4 × (250 + 38) means "4 times the sum of 250 and 38". Whatever 250 + 38 is, this is **4 times as large**.
(250 + 38) ÷ 2 means "the sum of 250 and 38, divided by 2". It is **half** as large as 250 + 38.

A. Match. Write the letter of the words that mean the same as the expression.

1. **(9 + 6) × 3** — **C**
2. **9 + 6 × 3** — **A**
3. **(9 – 6) × 3** — **E**
4. **9 × 6 – 3** — **B**
5. **9 × (6 – 3)** — **F**
6. **(9 + 6) ÷ 3** — **D**

A. 9 plus the product of 6 and 3
B. 3 less than the product of 9 and 6
C. the sum of 9 and 6, times 3
D. the sum of 9 and 6, divided by 3
E. the difference of 9 and 6, times 3
F. 9 times the difference of 6 and 3

B. Write each expression in words.

1. **(12 + 8) × 5** — **the sum of 12 and 8, times 5**
2. **40 – 6 × 3** — **40 minus the product of 6 and 3**
3. **(30 – 12) ÷ 6** — **the difference of 30 and 12, divided by 6**
4. **7 × (4 + 9)** — **7 times the sum of 4 and 9**

C. Do not solve. Fill in the blank.

1. **3 × (4,618 + 925)** is **3** times as large as 4,618 + 925.
2. **(7,340 – 1,286) × 10** is **10** times as large as 7,340 – 1,286.
3. **(864 + 152) ÷ 2** is **half** as large as 864 + 152.

D. Do not solve. Write >, < or = in each circle.

1. **2 × (345 + 76) (>) 345 + 76**
2. **(1,208 + 96) ÷ 4 (<) 1,208 + 96**
3. **5 × (60 + 3) (=) 5 × 60 + 5 × 3**
4. **(900 – 45) × 3 (<) (900 – 45) × 8**

Part B: other wordings can be right too. Part C, number 3: 1/2 is right too.