Working out expressions

Name _____ Date _____

Brackets first, then × and ÷, then + and −.

Common Core 5.OA.A.1

Example Work out $4 \times (11 - 6) + 7$.

1. Brackets first: $11 - 6 = 5$.
2. Then × before +: $4 \times 5 = 20$.
3. Last: $20 + 7 = 27$.

Answer: 27

1. $6 \times (9 + 8) - 17 =$ ☐
2. $4 \times (5 + 9) - 21 =$ ☐
3. $26 + 7 \times (9 - 4) =$ ☐
4. $(2 + 8) \times (8 - 6) =$ ☐
5. $(17 - 5) \times 5 + 25 =$ ☐
6. $2 \times (6 + 6) - 9 =$ ☐

Work from the inside out: ( ), then [ ], then { }.

Example Work out $3 \times [26 - (6 + 9)]$.

1. Start inside: $(6 + 9) = 15$.
2. Then the square brackets: $26 - 15 = 11$.
3. Last: $3 \times 11 = 33$.

Answer: 33

7. $[15 - (4 + 9)] \times 5 =$ ☐
8. $85 - [3 \times (15 - 2)] =$ ☐
9. $8 \times [25 - (8 + 4)] =$ ☐
10. $[30 - (10 + 8)] \times 4 =$ ☐
11. $4 \times \{2 + [26 - (6 + 5)]\} =$ ☐
12. $\{[(13 + 11) \div 2] \times 3\} - 14 =$ ☐

Free to share with other families. Not for resale.

Writing & reading expressions

Name _____ Date _____

Fill in the numbers, then work out the value.

Common Core 5.OA.A.2

Example **Add 7 and 8, then multiply by 6.**

1. "Then" means add first, so it goes in brackets: (7 + 8) × 6.
2. Work it out: 15 × 6 = 90.

Answer: (7 + 8) × 6 = 90

1. Multiply 17 by 12, then add 8.

   ☐ × ☐ + ☐ = ☐

2. Add 37 and 3, then divide by 2.

   (☐ + ☐) ÷ ☐ = ☐

3. Triple the sum of 26 and 7.

   3 × (☐ + ☐) = ☐

4. Triple the sum of 21 and 4.

   3 × (☐ + ☐) = ☐

5. Divide 87 by 3, then subtract 4.

   ☐ ÷ ☐ − ☐ = ☐

6. Add 18 and 19, then multiply by 3.

   (☐ + ☐) × ☐ = ☐

Do not work anything out. Fill in the boxes.

Example **4 × (253 + 186) is how many times as large as 253 + 186?**

1. The part in brackets, 253 + 186, is the same on both sides.
2. It is multiplied by 4, so it is 4 times as large. No need to add!

Answer: 4

7. (280 + 33) × 12 is ☐ times as large as 280 + 33

8. (661 − 27) × 3 is ☐ times as large as 661 − 27

9. 7 × (824 + 88) is ☐ times as large as 824 + 88

10. (242 − 100) × 3 is ☐ times as large as 242 − 100

11. (404 − 331) × 6 is ☐ times as large as 404 − 331

12. 5 × (686 − 54) is ☐ times as large as 686 − 54

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Answers

Answers are in the same order as the boxes.

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1. 85
2. 35
3. 61
4. 20
5. 85
6. 15
7. 10
8. 46
9. 104
10. 48
11. 68
12. 22

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1. 17 × 12 + 8 = 212
2. (37 + 3) ÷ 2 = 20
3. 3 × (26 + 7) = 99
4. 3 × (21 + 4) = 75
5. 87 ÷ 3 − 4 = 25
6. (18 + 19) × 3 = 111
7. 12
8. 3
9. 7
10. 3
11. 6
12. 5

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