

BODMAS

I can solve expressions using the order of operations.

Here are some multi-part expressions. Complete the underlined part of the expression first then use the answer to that to complete the expression.

Here is an example: $3 \times (\underline{2 + 6})$
 $3 \times 8 = 24$

1. $7 \times (\underline{8 - 3})$

6. $21 \div (\underline{4 + 3})$

11. $9 \times (\underline{3 + 3})$

2. $7 + \underline{9 \times 2}$

7. $10 - \underline{9 \div 3}$

12. $2^3 - (\underline{3 + 1})$

3. $10 \div (\underline{6 - 4})$

8. $7 + \underline{6 \times 4}$

13. $(\underline{10 + 5}) \div 5$

4. $12 \div (\underline{7 - 4})$

9. $(\underline{12 + 20}) \div 4$

14. $12 \div (\underline{7 - 4})$

5. $(\underline{8 + 9}) + 6^2$

10. $(\underline{13 - 6}) \times 5$

15. $(\underline{11 - 3}) \times 7$

Decide which part of each expression to calculate first, underline and complete as above.

1. $(\underline{12 - 7}) \times 8$

2. $9 + \underline{2 \times 7}$

3. $18 \div (\underline{8 - 2})$

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|---|---|--|
| 1. $(12 + 8) \div 4 =$ <input type="text"/> | 6. $(21 - 9) \times 2 =$ <input type="text"/> | 11. $(8 + 13) \div 7 =$ <input type="text"/> |
| 2. $(5^2 + 10) \div 5 =$ <input type="text"/> | 7. $8 \times 3 + 6 =$ <input type="text"/> | 12. $25 - 11 \times 2 =$ <input type="text"/> |
| 3. $(8 + 9) + 6^2 =$ <input type="text"/> | 8. $3 \times (15 - 9) =$ <input type="text"/> | 13. $(7^2 + 11) \div 5 =$ <input type="text"/> |
| 4. $4 \times 6 - 14 =$ <input type="text"/> | 9. $6^3 - (35 + 12) =$ <input type="text"/> | 14. $9 \div (10 - 7) =$ <input type="text"/> |
| 5. $18 \div (4 + 5) =$ <input type="text"/> | 10. $(14 + 21) \div 5 =$ <input type="text"/> | 15. $26 - 3 \times 7 =$ <input type="text"/> |

Complete these calculations by filling in the missing number.

- | | | |
|----------------------------------|-----------------------------------|--------------------------------|
| 1. $4 \times \square - 25 = 23$ | 4. $(5 + 9) \div \square = 2$ | 7. $\square \div (7 - 2) = 3$ |
| 2. $(26 - 10) \div \square = 4$ | 5. $9 \times (12 - \square) = 63$ | 8. $8^2 + (66 - \square) = 86$ |
| 3. $60 = 5 \times (3 + \square)$ | 6. $45 = (5 + \square) \times 5$ | 9. $6 = \square \div (11 - 4)$ |

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Calculate:

1. $(3 + 6) \times (8 - 5) =$

6. $8 \div (7 - 5) \times 6 =$

2. $7 + 8 \times 9 - 4 =$

7. $9 \times 3 + 18 \div 9 =$

3. $8 \times (6 + 3) + 5 =$

8. $(124 \div 2) \times 2^2 =$

4. $(19 - 7) + 8^2 + 9 =$

9. $23 - 3 \times (5 + 8) =$

5. $9 \times (5 + 6) + 4 =$

10. $8 + 7 \times (12 - 5) =$

Put brackets in the following to make the answers correct.

1. $6 \times 7 - 4 \times 8 = 10$

6. $8 \times 7 - 4 \div 6 = 4$

2. $8 \times 9 - 5 - 6 = 26$

7. $9 + 23 - 5 \times 5 = 7$

3. $24 - 17 \times 8 - 16 = 40$

8. $5 + 11 \div 7 - 3 = 4$

4. $14 + 6 \times 4 - 32 = 6$

9. $7 + 6 \times 12 - 7 = 37$

5. $9 \times 7 - 6 \times 3 = 27$

10. $15 + 9 \div 6 - 4 = 0$

Use all the following numbers to create an expression using order of operations: 3, 4, 6, 12

Using your own number cards, challenge a partner to find expressions with certain answers.