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: $3 \times (2 + 6)$ $3 \times 8 = 24$ 1. 7 × (<u>8 - 3</u>) 6. 21 ÷ (4 + 3) 11. 9 × (3 + 3) 12. 2³ - (<u>3</u> + 1) 2. 7 + 9 × 2 7. 10 - 9 ÷ 3 3. 10 ÷ (6 – 4) 8. 7 + 6×4 13. (10 + 5) ÷ 5 14. 12 ÷ (7 - 4) 4. 12 ÷ (7 - 4) 9. (12 + 20) ÷ 4 5. $(8 + 9) + 6^2$ 10. (13 - 6) × 5 15. (11 - 3) × 7

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

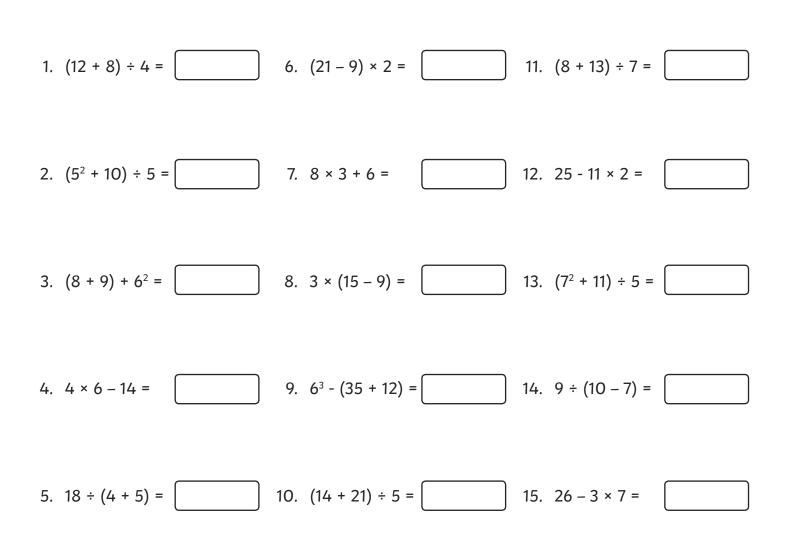
1. (12 – 7) × 8	2. 9 + 2 × 7	3. 18 ÷ (8 – 2)



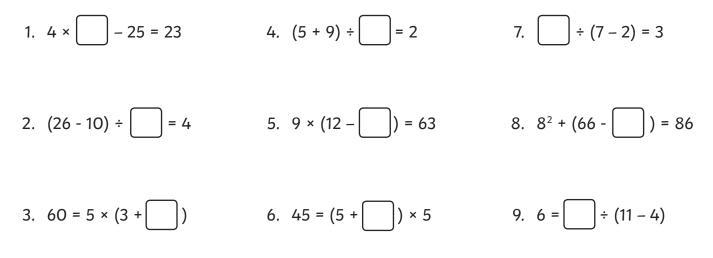


BODMAS

I can solve expressions using the order of operations.



Complete these calculations by filling in the missing number.







BODMAS

I can solve expressions using the order of operations. Calculate: 1. (3 + 6) × (8 – 5) = 6. 8 ÷ (7 – 5) × 6 = 2. 7 + 8 × 9 – 4 = 7. 9 × 3 + 18 ÷ 9 = 3. 8 × (6 + 3) + 5 = 8. $(124 \div 2) \times 2^2 =$ 9. 23 – 3 × (5 + 8) = 4. (19 – 7) + 8² + 9 = 10. 8 + 7 × (12 – 5) = 5. 9 × (5 + 6) + 4 = 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 × 9 – 5 – 6 = 26 7. $9 + 23 - 5 \times 5 = 7$ 3. 24 – 17 × 8 – 16 = 40 8. 5 + 11 ÷ 7 – 3 = 4 4. $14 + 6 \times 4 - 32 = 6$ 9. 7 + 6 × 12 – 7 = 37 10. $15 + 9 \div 6 - 4 = 0$ 5. $9 \times 7 - 6 \times 3 = 27$

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.





BODMAS Answers

Lower Ability		Middle Ability		Hig	Higher Ability		
1.	7 × 5 = 35	1.	(12 + 8) ÷ 4 = 5	1.	(3 + 6) × (8	8 – 5) = 27	
2.	7 + 18 = 25	2.	(5 ² + 10) ÷ 5 = 7	2.	7 + 8 × 9 –	4 = 75	
3.	10 ÷ 2 = 5	3.	(8 + 9) + 6 ² = 53	3.	8 × (6 + 3)	+ 5 = 77	
4.	12 - 3 = 4	4.	4 × 6 – 14 = 10	4.	(19 - 7) + 82	² + 9 = 85	
5.	$(8 + 9) + 6^2 = 53$	5.	18 ÷ (4 + 5) = 2	5.	9 × (5 + 6)	+ 4 = 103	
6.	21 ÷ 7 = 3	6.	(21 – 9) × 2 = 24	6.	8 ÷ (7 – 5)	× 6 = 24	
7.	10 - 3 = 7	7.	8 × 3 + 6 = 30	7.	9 × 3 + 18 ÷	÷ 9 = 29	
8.	7 + 24 = 31	8.	3 × (15 – 9) = 18	8.	(124 ÷ 2) ×	2 ² = 248	
9.	32 ÷ 4 = 8	9.	63 - (35 + 12) = 169	9.	23 - 3 x (5+	8) = -16	
10.	7 × 5 = 35	10.	(14 + 21) ÷ 5 = 7	10.	8 + 7 × (12	– 5) = 57	
11.	9 × 6 = 54	11.	(8 + 13) ÷ 7 = 3	1.	(6 × 7) – (4	× 8) = 10	
12.	$2^3 - (3 + 1) = 4$	12.	25 - 11 × 2 = 3		8 × (9 – 5)		
13.	15 ÷ 5 = 3	13.	(7 ² + 11) ÷ 5 =12		(24 – 17) ×		
14.	12 ÷ 3 = 4	14.	9 ÷ (10 – 7) = 3	4.	14 + 6 × 4 -	- 32 = 6 (no brackets)	
15.	8×7 = 56	15.	26 – 3 × 7 = 5	5.	9 × (7 – 6)	× 3 = 27	
				6.	8 × (7 – 4)	÷ 6 = 4	
1.	(12 – 7) × 8 = 40	1.	4 × 12 – 25 = 23	7.	9 + 23 – 5 >	< 5 = 7 (no brackets)	
2.	9 + 2 × 7 = 23	2.	(26 - 10) ÷ 2 ² = 4	8.	(5 + 11) ÷ (7	7 – 3) = 4	
3.	18 ÷ (8 – 2) = 3	3.	60 = 5 × (3 + 9)	9.	7 + 6 × (12	– 7) = 37	
		4.	(5 + 9) ÷ 7 = 2	10.	(15 + 9) ÷ 6	o – 4 = 0	
		5.	9 × (12 – 5) = 63	Possible ansv	vers:	12 – 3 × 4 + 6 = 6	
		6.	$45 = (5 + 4) \times 5$	6 + 4 + 3 - 1		(4 × 3) - (12 ÷ 6) = 10	
		7.	15 ÷ (7 – 2) = 3	12 ÷ 6 × (4 -		$(12 \times 3) - (6 \times 4) = 12$	
		8.	8 ² + (66 - 44) = 86	12 ÷ 6 + 4 –		(4 + 6) × 3 – 12 = 18	
		9.	6 = 42 ÷ (11 – 4)	6 × 4 ÷ 12 +		(4 + 6) × 12 ÷ 3 = 40	



