



USING PARENTHESES SHEET 5:1

When you come across a complex calculation where there are brackets around part of the calculation, the part in brackets should be done first.

Example

$(4 + 3) \times 6$ and $4 + (3 \times 6)$ are two different calculations with two different answers:

$$(4 + 3) \times 6 = 7 \times 6 = 42$$

$$4 + (3 \times 6) = 4 + 18 = 22$$

Work out the answers to these complex calculations.

1) $3 + (4 \times 5) = 3 + \underline{\quad} = \underline{\quad}$

2) $(5 + 4) \times 3 = \underline{\quad} \times 3 = \underline{\quad}$

3) $7 \times (5 - 2) = 7 \times \underline{\quad} = \underline{\quad}$

4) $(9 - 6) \times 8 = \underline{\quad} \times 8 = \underline{\quad}$

5) $(20 \div 4) + 8 = \underline{\quad} + 8 = \underline{\quad}$

6) $17 - (35 \div 5) = 17 - \underline{\quad} = \underline{\quad}$

7) $(7 \times 3) - (2 \times 4) = \underline{\quad} - \underline{\quad} = \underline{\quad}$

8) $14 - (3 \times 5) = \underline{\quad} - \underline{\quad} = \underline{\quad}$

9) $(40 \div 5) + (3 \times 9) = \underline{\quad} + \underline{\quad} = \underline{\quad}$

10) $(7 - 4) \times 12 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Harder section - you may need a calculator for these!

11) $2.5 - (0.7 \times 2) = \underline{\quad} - \underline{\quad} = \underline{\quad}$

12) $(4.5 \times 3) - 12 = \underline{\quad} - \underline{\quad} = \underline{\quad}$

13) $6 - (1.7 \times 3) = \underline{\quad} - \underline{\quad} = \underline{\quad}$

14) $(4.2 \div 6) + 0.9 = \underline{\quad} + \underline{\quad} = \underline{\quad}$

15) $200 - (14.5 \times 6) = \underline{\quad} - \underline{\quad} = \underline{\quad}$

16) $78 \div (3.75 \times 8) = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Work out these 3 calculations, then put them in order, smallest first:

$85 - (17 \times 3)$

$200 \div (3.7 + 6.3)$

$(4.5 \times 3) + (30 \div 4)$

Smallest

Largest



Name

Date



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$1) 3 + (4 \times 5) = 3 + 20 = 23$

$2) (5 + 4) \times 3 = 9 \times 3 = 27$

$3) 7 \times (5 - 2) = 7 \times 3 = 21$

$4) (9 - 6) \times 8 = 3 \times 8 = 24$

$5) (20 \div 4) + 8 = 5 + 8 = 13$

$6) 17 - (35 \div 5) = 17 - 7 = 10$

$7) (7 \times 3) - (2 \times 4) = 21 - 8 = 13$

$8) 14 - (3 \times 5) = 14 - 15 = -1$

$9) (40 \div 5) + (3 \times 9) = 8 + 27 = 35$

$10) (7 - 4) \times 12 = 3 \times 12 = 36$

Harder section - you may need a calculator for these!

$11) 2.5 - (0.7 \times 2) = 2.5 - 1.4 = 1.1$

$12) (4.5 \times 3) - 12 = 13.5 - 12 = 1.5$

$13) 6 - (1.7 \times 3) = 6 - 5.1 = 0.9$

$14) (4.2 \div 6) + 0.9 = 0.7 + 0.9 = 1.6$

$15) 200 - (14.5 \times 6) = 200 - 87 = 113$

$16) 78 \div (3.75 \times 8) = 78 \div 30 = 2.6$

Put these 3 calculations in order, smallest first:

$85 - (17 \times 3) = 34$

$200 \div (3.7 + 6.3) = 20$

$(4.5 \times 3) + (30 \div 4) = 21$

$$\underline{200 \div (3.7 + 6.3)}$$

Smallest

$$\underline{(4.5 \times 3) + (30 \div 4)}$$

$$\underline{85 - (17 \times 3)}$$

Largest

