

BIDMAS

Memory

Brackets ()

Indices a^n

Division \div

Multiplication \times

Addition $+$

Subtraction $-$

Example $50 - 2 \times 9 + 2^2$

B none

I $2^2 = 4$

So: $50 - 2 \times 9 + 4$

D none

M $2 \times 9 = 18$

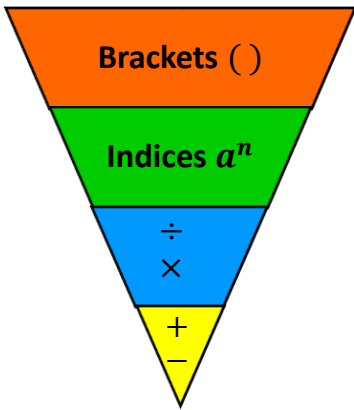
So: $50 - 18 + 4$

A $-18 + 4 = -14$

So: $50 - 14$

S $50 - 14 = 36$

So: $50 - 2 \times 9 + 2^2 = 36$



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Order of Operations



A couple of thieves stole all of the vowels from the specialist terms. Decipher and categorise the key words.

BRCKTS QTNT PWR SM DVD XPNNTS
 MNS PRDCT DD NDCS SBTRCT MLTPLY

Literacy



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Evaluate

Skill 1

- 1) $8 + 7 \times 6$
- 2) $42 \div 7 - 3$
- 3) $(27 - 13) \times 3$
- 4) $16 - 15 \div 3$
- 5) $4^2 - 6 \times 2$
- 6) $9 + 5 \times (7 - 4)$
- 7) $(15 - 7) \div (8 - 6)$
- 8) $(15 - 6)^2 + 3$
- 9) $8 \div 4 + 2 \times 3$
- 10) $125 \times 18 \div 9$

Evaluate

Skill 2

- 1) $(3 + 2 \times 4)^2$
- 2) $9 \div (2^2 - 4 \div 4)$
- 3) $3 + 6 \times (5 + 4) \div 3$
- 4) $\frac{36 - 3 \times 4}{15 - 9 \div 3}$
- 5) $5 \div (8 - 3) \times 2 + 6$
- 6) $5 \times 8 + 6 \div 6 - 12 \times 2$
- 7) $180 \div (6 + 3 \times 8) - 5$
- 8) $\frac{2^2 \times 5}{2 + (15 - 3) \times 4}$

Decide which of these are true

Stretch 1

or false. You must justify your answer.

- 1) $27 + 2 \times 5 = 37$
- 2) $19 - 6 \times 2 = 26$
- 3) $21 + 9 \div 3 = 10$
- 4) $10 \times 20 \div 2 + 3 = 40$
- 5) $5 - 9 \times 12 - 17 = 20$
- 6) $3 \times 7 - 2^2 \times 9 = 81$

Insert brackets to obtain the answer shown. You must justify your answer.

Stretch 2

- 1) $16 - 9 \times 7 = 49$
- 2) $37 - 18 \div 9 = 35$
- 3) $27 - 3 \times 4 + 5 = 0$
- 4) $6 - 2^2 \times 7 = 14$
- 5) $9 - 5 \times 6 + 3 = 36$
- 6) $16 - 4^2 + 3 = -3$

RoK (Retention of Knowledge)

Calculate

- 1) $27 + 38$
- 2) $49 - 17$
- 3) $356 - 184$
- 4) 8×9
- 5) 24×6
- 6) 35×17
- 7) $42 \div 7$
- 8) $250 \div 25$
- 9) 6^2
- 10) 5^3

1) Iqra charged Ahmed £27 for parts and £15 per hour for labour to repair her bicycle. If she spent 5 hours repairing his bike, how much does Ahmed owe her?

Stretch 3

2) A wedding caterer charges a setup fee of £130, plus £20 per person. How much will the caterer charge if 45 people attend the wedding, and the customer has a voucher for £75 off the total bill?

KEY WORDS

BRCKTS = BRACKETS

MNS = MINUS

PWR = POWER

NDCS = INDICES

SM = SUM

XPNTS= EXPONENTS

DVD = DIVIDE

QTNT = QUOTIENT

PRDCT = PRODUCT

MLTPLY = MULTIPLY

DD = ADD

SBTRCT = SUBTRACT