BODMAS

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Challenge 1

1 What does BODMAS stand for?

_____

_____

1 mark

2 Here are two identical calculations with different answers. Put a ✓ in the box that has the correct answer.

$3 + 4 \times 2 = 14$ ☐

$3 + 4 \times 2 = 11$ ☐

1 mark

3 Work out the answers to the following calculations.

a) $2 + 3 \times 6 =$ _____   b) $(5 - 2) \times 7 =$ _____

c) $3 \times (2 + 6) =$ _____   d) $32 - 5 \times 4 =$ _____

e) $10 + 8 \div 2 =$ _____   f) $20 - 5 \times 3 =$ _____

6 marks

Marks.......... /8

Challenge 2

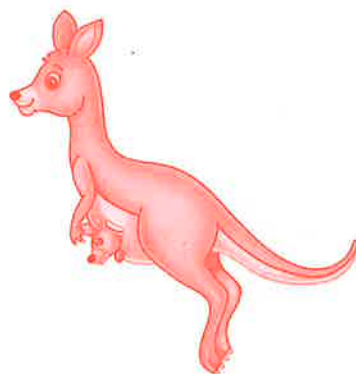**1** Work out the answers to the following calculations.

a) $(3 + 4) \times 2 + (4 - 2) + 5 =$ _____

b) $4 + 3^2 - 5 =$ _____

c) $(7 - 3) + 4 \times 2^3 =$ _____

d) $(3 + 5) \times 8 - 8^2 =$ _____

e) $6^2 - 3 + 2 =$ _____

5 marks

Challenge 2 (right page)

2 Jon and James each write the same calculation but put their brackets in different places. Whose calculation gives the greatest answer? Put a ✓ in the correct box.

Jon $26 - (3 + 2) \times 4 + 3$ ☐

James $26 - 3 + 2 \times (4 + 3)$ ☐

1 mark

Marks.......... /6

Challenge 3

1 Work out the answers to these calculations.

a) $4 \times 15 - (42 - 8) + 3^2 =$ _____

b) $7 + (11 - 3) \times 4 \div 2 =$ _____

2 marks
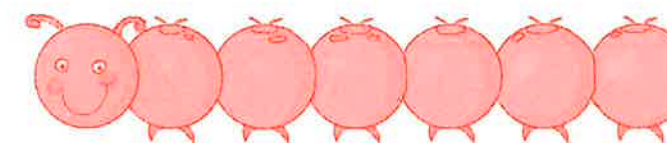
2 Fill in the missing numbers to make these statements correct.

a) $(3 \times 8) + 12 = ($ _____ $^2 \times 10) - 4$

b) $5 +$ _____ $\times (6 \div 3) = (16 \div 4) \times 2 + 5$

c) $3^3 - 22 + 3 =$ _____ $^3 - 56$

3 marks

3 Put brackets into this calculation to make it correct.

$2^2 + 4 \times 5 + 7 \div 3 = 20$

1 mark

Marks.......... /6

Total marks .... /20   How am I doing? ☺ 😐 😣