



 **IMPORTANT**

We are going to have a BEDMAS quiz
on thursday!

BEDMAS Day 3: Confidence Builder

Learning Goal: Use BEDMAS correctly and explain why operations happen in that order.

Warm up

Sept 15

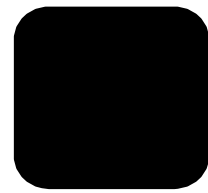
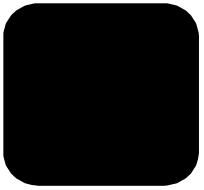
Solve: $6 + 4 \times 5$

Did anyone get:

50

or

26

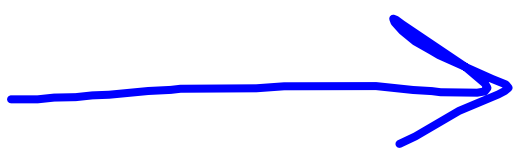


$$6 + 4 \times 5$$

$$6 + 20$$

$$\boxed{26}$$

B
~~E~~
D
M
A
S.



$$\underbrace{6 + 4 \times 5}$$

$$10 \times 5$$

$$\boxed{50}$$

~~B~~EDMAS Review

B Brackets → first step

D Division

M Multiplication

A Addition

S Subtraction

} → 2nd step
in the order from L → R

} Last step
in order from L → R

What Comes First?
let's do these together

$$5 + 2 \times 4$$

$$(7 + 1) \times 3$$

$$18 \div 3 + 2$$

$$14 - 8 \div 2$$

a) $5 + 2 \times 4$

$5 + 8$
 13

b) $(7 + 1) \times 3$

8×3
 24

c) $18 \div 3 + 2$

$6 + 2$
 8

d) $14 - 8 \div 2$

$14 - 4$
 10

Left to Right Matters

$$12 - 4 + 2$$
$$24 \div 6 \times 2$$

↓
BEDMAS.

$$12 - 4 + 2$$

$$8 + 2$$

$$\boxed{10}$$

$$24 \div 6 \times 2$$

$$4 \times 2$$

$$\boxed{8}$$

Find the Mistake

$6 + 4 \times 2 = 20?$
What went wrong?

$$\begin{array}{l} 6 + 4 \times 2 \\ 10 \times 2 \\ \boxed{20} \end{array}$$

$$\begin{array}{l} 6 + 4 \times 2 \\ 6 + 8 \\ \boxed{14} \end{array}$$

Find the Mistake #2

$$(8 + 2) \times 3 = 14?$$

What went wrong?

$$(8 + 2) \times 3$$

$$8 + 2$$

~~14~~

$$(8 + 2) \times 3$$
$$10 \times 3$$

30

✓

Partner Detective Activity

With a partner, find the mistake they made

RULES:

- Show your thinking
- Find the right answer
- Explain where they went wrong

$$8 + 3 \times 4 = 40$$

$\xrightarrow{\quad}$

$$20 - 12 \div 4 = 2$$

$\uparrow$
Subtract first $\times$

20
17

$$(6 + 2) \times 5 = 15$$

$\xrightarrow{\quad}$

$$15 - 3 \times 2 + 4 = 28$$

$15 - 6 + 4$
 $9 + 4$
13

40

Independent Practice

1. $8 + 3 \times 4$

2. $(10 + 2) \times 5$

3. $18 \div 3 + 6$

Exit Ticket

- Do these on a new sheet
- Hand them in to me!
- Make sure you show ALL your work

$$1.5 + 2 \times 6$$

$$2.(8 + 4) \div 3$$

Homework

