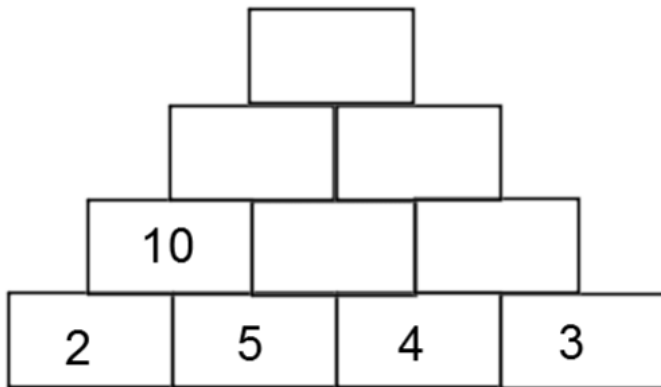


Tuesday

Starter

Find each missing number by multiplying the two bricks below it.



BIDMAS and Equations

1. Group the calculations in pairs that have the same answer.
Which is the odd one out?

- A) $2 + (4 \times 4)$
- B) $(7 - 5) \times (3 + 6)$
- C) $(3 \times 10) - (4 + 7)$
- D) $(10 \div 2) \times (16 \div 4)$
- E) $(7 + 1 + 1 + 1) \times 2$

To remember the order we solve calculations, we use BIDMAS.

Brackets

Indices (2^2)

Division

Multiplication

Addition

Subtraction

2. Calculate $5^2 + 4(3 - 2)$

3. Put the numbers 2, 3, 4 and 5 in the boxes to make the following true:

$$(\square + \square) + (\square \times \square) = 19$$

4. How many other calculations can you make that get different answers just by using those 4 numbers each once. You can use brackets, +, -, x and \div as many times as you want within the calculation.

Wednesday

Starter

a) $6 + 4 \times 2$

b) $20 - 18 \div 2$

c) $15 \div 5 + 7$

d) $3 \times 5 - 2 \times 4$

BIDMAS and Equations

1. True or False

a) $4a = a \times 4$

b) $b^2 = b \times b$

c) $ce = c + e$

d) $3d = d + d + d$

2. Solve the following equations by working out what number the letter in each calculation represents.

a) $3n = 15$

b) $5n = 15$

c) $x + 4 = 15$

d) $\frac{x}{2} = 15$

e) $6 + x = 15$

f) $6 - x = 15$

g) $4n = 100$

h) $\frac{f}{3} = 150$

3. Solve the following equations by working out what number the letter in each calculation represents.

a) $4x + 3 = 15$

b) $3x - 6 = 15$

c) $\frac{x}{3} + 5 = 15$

d) $\frac{x}{5} - 3 = 15$

4. To work out the time to cook a chicken, you need to multiply the weight by 3 then add 20 to equal the minutes it takes to cook. If weight = w and minutes = m , can you write an equation to show this.

Thursday

Starter

a) $2 \times (6 + 3)$

b) $(12 - 8) \times 5$

c) $27 \div (12 - 3)$

d) $(9 - 3) \times (4 + 5)$

BIDMAS and Equations

1. Turn each of the below descriptions into an equation.

e.g.

the mystery number add 3

$$= x + 3$$

- a) The mystery number divided by six.
- b) Seven divided by the mystery number.
- c) The mystery number multiplied by six then added to one.
- d) The mystery number multiplied by itself and subtracted from ten.

2. Solve the below equations:

a) $4n - 3 = 17$

b) $2n + 5 = 17$

c) $3n + 2 = 17$

3. Solve the below questions:

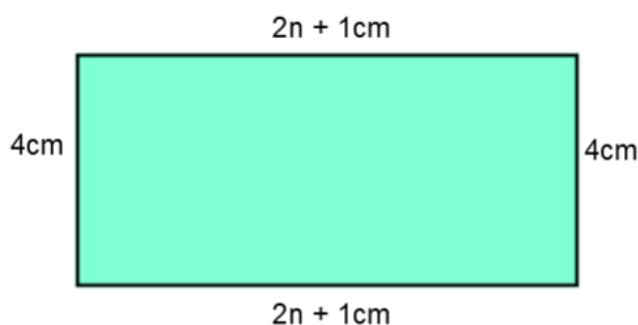
- a) *I think of a number, I multiply by two and add six.*

The answer is 20.

What is the number I thought of?

- b) The perimeter of the below rectangle is 34cm.

What is the value of n ?



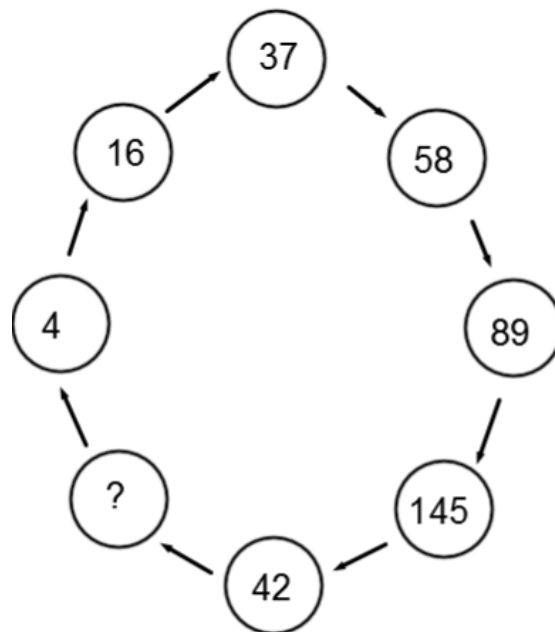
Friday

Problem Solving – find the missing numbers in the sequences.

FOLLOW THE ARROW # 1

77 → 49 → 36 → 18 → ?

FOLLOW THE ARROW # 2



FOLLOW THE ARROW # 3

10 → 9 → 60 → 90 → 70 → 66