

1. A party planner orders some balloons for a party.

She orders  $g$  gold balloons.

She orders  $r$  red balloons.

The order she wrote said  $g = 16$

$$r = 32$$

To work out the total number of balloons,  $B$ , that she ordered she could:

(i) do the **calculation** .....

(ii) use the **expression** .....

(iii) use the **formula** .....

You may use  $g + r$                        $B = g + r$                        $16 + 32$

2. The PE department has  $b$  basket balls,  $f$  footballs and  $r$  rounders balls.

The list in their cupboard says  $b = 3$

$$f = 8$$

$$r = 4$$

To work out the total number of balls,  $T$ , which should be in the cupboard a PE teacher could:

(i) use the .....  $T = b + f + r$

(ii) do the .....  $3 + 8 + 4$

(iii) use the **expression** .....

3. A tray of sandwiches has  $c$  roast chicken,  $h$  red pepper and humous, and  $t$  tutu mayonnaise sandwiches.

When the caterer made up the tray she wrote this list  $c = 20$

$$h = 16$$

$$t = 12$$

To work out the total number of sandwiches,  $S$ , on the tray she could:

(i) use the **expression** .....

(ii) do the **calculation** .....

(iii) use the **formula** .....

You may use  $S = c + h + t$        $c + h + t$        $20 + 16 + 12$

4. A school shop has  $a$  angle measurers and  $r$  rulers.

When the teacher did a stock check he wrote

$$a = 27$$
$$r = 48$$

{**FYI** An angle measurer and a ruler are both measuring devices - one measures angles, one lengths.}

To work out the total number of measuring devices,  $M$ , in the shop he could:

- (i) use the .....  $M = a + r$
- (ii) use the **expression** .....
- (iii) do the **calculation** .....

## Answers

1.  $16 + 32$

$g + r$

$B = g + r$

2. formula

calculation (allow sum)

$b + f + r$

3.  $c + h + t$

$20 + 16 + 12$

$S = c + h + t$

4. formula

$a + r$

$27 + 48$