1. One morning a chef makes c chocolate muffins and t toffee muffins.

   The chef wrote $c = 240$

   $t = 60$

   To work out the total number of muffins, M, the chef made she could:

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

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

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

   You may use $M = c + t$ $c + t$ 240 + 60

2. A multipack contains b bags of barbecue flavour crisps, r bags of ready salted crisps and v bags of salt and vinegar flavour crisps.

   When the taste tester opened the multipack she wrote this list $b = 7$

   $r = 3$

   $v = 5$

   To work out the total number of bags of crisps in the multipack, T, the taste tester could:

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

   (ii) do the ..... 7 + 3 + 5

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

3. A tray of sandwiches has b brie, h humous and r roast beef sandwiches.

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

   $h = 24$

   $r = 16$

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

   (i) use the ..... $S = b + h + r$

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

   (iii) do the **calculation** .....

Turn over for more questions and answers

4. A hotel buys some glasses.

   They buy j packets of juice glasses.
   They buy w packets of wine glasses.

   When the manager placed the order he wrote $j = 35$
   $w = 15$

   To work out the total number of packets of glasses, T, the manager ordered he could:

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

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

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

   You may use $35 + 15$ $T = j + w$ $j + w$

5. Oliver bought b tins of baked beans, p tins of peach slices and r tins of rice pudding.
   When Oliver bought the tins he wrote this list $b = 24$
   $p = 12$
   $r = 8$

   To work out the total number of tins, T, he bought, Oliver could:

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

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

   (iii) do the **calculation** .....

6. When an art teacher did a stock check in her classroom she wrote

   $c = 50$ where c is the number of packs of coloured pencils
   $d = 80$ and d is the number of packs of drawing pencils.

   To work out the total number of packs of pencils, P, she could:

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

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

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

Answers 1. (i) 240 + 60, (ii) $c + t$, $M = c + t$ 2. (i) formula, (ii) calculation, (iii) $b + r + v$
3. (i) formula, (ii) $b+h+r$, (iii) 20 + 24 + 16 4. (i) $j+w$, (ii) 35 + 15, (iii) $T = j+w$
5. (i) formula, (ii) $b+p+r$, (iii) 24 + 12 + 8 6. (i) $c+d$, (ii) 50 + 80, (iii) $P = c+d$