

Maths

Mental Addition strategies

Partitioning: Add the tens and add then units

$$14 + 25 =$$

$$10 + 20 = 30$$

$$4 + 5 = 9$$

The answer is 39

Compensation: For adding a near multiple of 10, For adding 11 you add 10 and then add 1. For adding 9 you can add 10 and then take away one.

$$26 + 11 = 26 + 10 + 1 = 37$$

$$17 + 9 = 17 + 10 - 1 = 26$$

Doubles or near doubles: If you know that double 8 is 16 then 8+9 is going to be one more = 17

$$8 + 8 = 16$$

$$\text{so } 8 + 9 = 8 + 8 + 1 = 17$$

Bridging through 10, 20 etc:

Count up to the next ten and then add the remainder.

$$15 + 8 = (15 + 5) + 3 = 23$$

1

$$1) 16 + 24 =$$

$$2) 12 + 16 =$$

$$3) 17 + 22 =$$

$$4) 15 + 17 =$$

$$5) 19 + 20 =$$

$$6) 16 + 20 =$$

$$7) 20 + 15 =$$

$$8) 21 + 24 =$$

$$9) 12 + 18 =$$

$$10) 15 + 15 =$$

$$11) 18 + 23 =$$

$$12) 19 + 22 =$$

$$13) 18 + 15 =$$

$$14) 18 + 20 =$$

$$15) 19 + 18 =$$

2

$$1) 22 + 43 =$$

$$2) 40 + 42 =$$

$$3) 21 + 38 =$$

$$4) 26 + 32 =$$

$$5) 22 + 38 =$$

$$6) 38 + 39 =$$

$$7) 22 + 30 =$$

$$8) 36 + 35 =$$

$$9) 29 + 38 =$$

$$10) 38 + 42 =$$

$$11) 29 + 26 =$$

$$12) 40 + 43 =$$

$$13) 34 + 27 =$$

$$14) 28 + 25 =$$

$$15) 39 + 34 =$$

3

$$1) 64 + 66 =$$

$$2) 78 + 81 =$$

$$3) 69 + 64 =$$

$$4) 75 + 58 =$$

$$5) 55 + 71 =$$

$$6) 74 + 73 =$$

$$7) 56 + 76 =$$

$$8) 61 + 60 =$$

$$9) 78 + 60 =$$

$$10) 68 + 75 =$$

$$11) 74 + 82 =$$

$$12) 55 + 71 =$$

$$13) 59 + 58 =$$

$$14) 66 + 82 =$$

$$15) 78 + 65 =$$

4

$$1) 80 + 93 + 78 =$$

$$2) 68 + 92 + 66 =$$

$$3) 57 + 80 + 99 =$$

$$4) 80 + 65 + 78 =$$

$$5) 74 + 62 + 72 =$$

$$6) 62 + 82 + 60 =$$

$$7) 97 + 64 + 95 =$$

$$8) 68 + 78 + 66 =$$

$$9) 75 + 71 + 73 =$$

$$10) 86 + 66 + 84 =$$

$$11) 67 + 73 + 65 =$$

$$12) 89 + 99 + 87 =$$

$$13) 70 + 98 + 68 =$$

$$14) 86 + 93 + 84 =$$

$$15) 63 + 93 + 61 =$$