Task notes | **Crazy compatibles**

Y5

Notes for parents. Activity next page.

The purpose of this task is to help your child:

- learn how to identify and work with numbers that, when added together, give a sum that is a round number that ends in zero

  These number pairs are known as compatible numbers.

Think about this:

- Check with your child that they have thought about how and where they will write down their thinking as they find the 'compatible' numbers?
- Compatible numbers are often handy when you are solving number problems.
- Your child could make their own grid of compatible numbers to 200, or 500 or 1000, and could have you, or someone in your family, 'spot the compatibles'.
- Your child will need you, or another family member, to talk with them about what they are doing (instead of a classmate).

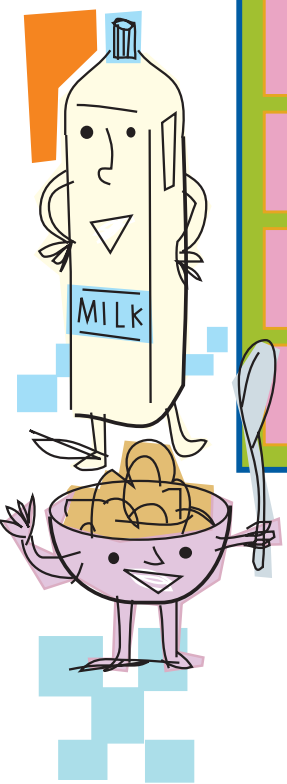
Crazy Compatibles

You need ☑ a classmate ☑ square grid paper

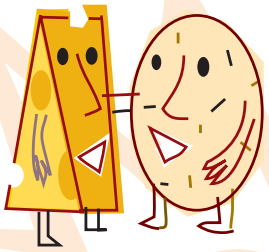
Activity

Compatible numbers are numbers that add together to make tidy numbers such as 10, 20, 100, and 1 000.

1. In the grid below, there are lots of pairs of compatible numbers that add up to 100. Find at least 10 pairs and record them.



25	72	85	71	67	75	10	32
60	31	30	55	28	33	35	70
90	18	45	17	41	83	68	65
82	40	69	51	29	59	15	49



Compatibles can help you to solve problems. For example, 55 + 46 is the same as 55 + 45 and 1 more, so 55 + 46 = 101.

2. Use the compatibles given to solve these problems:
   a. If you know that 23 + 77 = 100, what is 25 + 78?
   b. If you know that 45 + 55 = 100, what is 47 + 56?

3. Use compatibles to complete these equations:

a. 25 + 76 =	b. 52 + 52 =	c. 64 + 38 =
d. 92 + 12 =	e. 55 + 48 =	f. 75 + 29 =
g. 58 + 44 =	h. 23 + 88 =	i. 37 + 68 =
j. 340 + ☐ = 1 000	k. 297 + ☐ = 1 000	l. 870 + ☐ = 1 000

4. Make up a Find the Compatibles grid for a total that is different from 100. Give it to a classmate to solve.