

Bonds undo the take: subtraction hides inside every bond

CURRICULUM ALIGNMENT

NUM.OPS.2

select, make use of and represent a range of addition and subtraction strategies.

INTERACTIVES **Number Bonds** · challenge, display, explore

WHAT THIS LESSON TEACHES

A bond is two parts that add to make a whole. From the same bond you get two take-aways: the whole minus one part leaves the other part.

→ $6 + 4 = 10$, so $10 - 6 = 4$ and $10 - 4 = 6$.

→ $7 + 3 = 10$, so $10 - 7 = 3$ and $10 - 3 = 7$.

MODEL THIS ON THE BOARD

TWO TAKE-AWAYS FROM ONE BOND

- 1 Name the bond: **6** and **4** make **10**.
- 2 Cover the **6**: $10 - 6$ leaves **4**.
- 3 Cover the **4**: $10 - 4$ leaves **6**.
- 4 Write both take-aways: $10 - 6 = 4$ and $10 - 4 = 6$.

ANSWER KEY

Q1: 2

Q2: 8 friends

Q3: 3

Q4: 4

Q5: 2

Q6: 7

a) **Always** : The two parts of a bond give both take-aways from the whole.

b) **Always** : Each part can be subtracted from the whole to leave the other part.

c) **Never** : Both take-aways keep the same whole and swap which part is taken.

d) **Never** : Different parts leave different answers from the same whole.

EXTENSION SHEET · STRETCH ANSWERS

S1: 5

S2: 5

S3: 5

S4: 4