

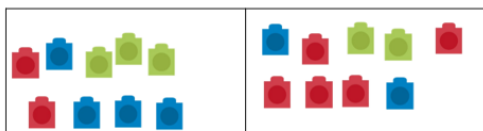
# 1&2LS20 Y2: Step 5

# Rehearse and Reason – answers

## Finding half of an amount, linked to division and sharing a whole into two equal groups

### REHEARSE

Record what you know from this model.



18 shared between 2 is 9.

$$18 \div 2 = 9$$

Half of 18 is 9.  $\frac{1}{2}$  of 18 = 9

### REHEARSE

Find the halves in each problem and record each as  $\frac{1}{2}$  of \_\_\_\_ = \_\_\_\_\_. You could use a beadstring or base-10 equipment.

$$\frac{1}{2} \text{ of } 46 =$$

Half of 22 is

Half of 82 =

$$60 \div 2 =$$

What is 68 shared into two groups?

$$\frac{1}{2} \text{ of } 46 = 23$$

$$\frac{1}{2} \text{ of } 22 = 11$$

$$\frac{1}{2} \text{ of } 82 = 41$$

$$\frac{1}{2} \text{ of } 60 = 30$$

$$\frac{1}{2} \text{ of } 68 = 34$$

Now try these.

$$\frac{1}{2} \text{ of } 56 =$$

Half of 34 is

Half of 98 =

$$70 \div 2 =$$

What is 54 shared into two groups?

$$\frac{1}{2} \text{ of } 56 = 28$$

$$\frac{1}{2} \text{ of } 34 = 17$$

$$\frac{1}{2} \text{ of } 98 = 49$$

$$\frac{1}{2} \text{ of } 70 = 35$$

$$\frac{1}{2} \text{ of } 54 = 27$$

### APPLY AND EXPLORE

Look carefully at the two sets of calculations. Why are the second set more difficult? There is an odd number of tens so you would need to regroup one ten.

Write one more calculation to go in each set of calculations. As appropriate – finding half of an even number of tens and an odd number of tens.

### RETRIEVE

Can I still add two 2-digit numbers with regrouping?

What is the sum of 18 and 24? 42

Prove it.

Tens	Ones
10	8
20	4
40	12
10	2

### REHEARSE

Can you use all these words to talk about the model? What could you record?

shared

$\frac{1}{2}$

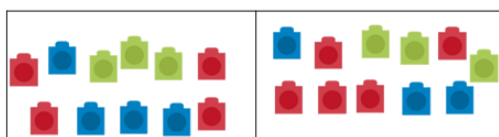
divided

half

groups

$\div$

equals



Various possible including:

- 22 shared into 2 equal groups is 11.
- 22 divided by 2 equals 11.
- 2 equal groups of 11 is 22.
- Half of 22 is 11.

$$22 \div 2 = 11$$

Double 11 is 22.

$$\frac{1}{2} \text{ of } 22 = 11$$

$$11 \times 2 = 22$$