



## DEEPENING UNDERSTANDING ANSWER SHEET

### YEAR 1 PIM – PART WHOLE MODEL

#### Fluency 1

10 more makes the tens digit one greater .

10 less makes the tens digit one less.

#### Fluency 2

54

+

10

=

64

#### Fluency 3

$$4 + 10 = 14$$

$$14 + 10 = 24$$

$$24 + 10 = 34$$

$$34 + \underline{10} = \underline{44}$$

$$\underline{44} + \underline{10} = \underline{54}$$

#### Fluency 4

Ten less	Number	Ten more



## Reasoning 1

### Modelled DAB Reasoning Responses

**D** – There is an odd one out.

**A** –

34	44	54	64	74	84
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56	66	76	86	96	106
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82	72	62	52	42	32
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49	59	69	79	89	99
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**B** – All of the others are a sequence of 10 more, but the one starting with 82 shows 10 less.

## Reasoning 2

### Modelled DAB Reasoning Response

**D** – Never true

**A** – The ones digit will not change.

**B** – When changing a number by 10, the tens column changes, not the ones. The ones digit changes when we add or subtract 1.

## Reasoning 3

### Modelled DAB Reasoning Response

**D** – Caleb is correct.

**A** – 10 less than 46 is 36.

**B** – Asha has put the numbers the wrong way round, she should have 3 tens and 6 not 6 tens and 3.

Darcey has said 10 more, not ten less.



**Download our 'DAB' posters to support reasoning in your classroom:**

<https://www.deepeningunderstanding.co.uk/product/dab-reasoning-posters/>

### **Problem Solving 1**

Marlon has 31p.

Alfie has 41p.

Anita has 31p, the same as Marlon.

Millie has 21p.

### **Problem Solving 1**

The sunflower is 46cm on Tuesday.

It is 56cm on Wednesday.

It is 46cm on Thursday.

