



DEEPENING UNDERSTANDING ANSWER SHEET

YEAR 5 PIM – MULTIPLY 4-DIGITS BY 1-DIGIT

Fluency 1

Th	H	T	O

Fluency 2

	4	2	0	3
x				4
1	6	8	1	2

Fluency 3

	5	8	3	4
x				6
3	5	0	0	4

X	5000	800	30	4
6	30,000	4,800	180	24

Fluency 4

$$688 \times 2 = 1,376 \text{ km} \quad 1,376 \times 8 = \text{£}110.08$$



Reasoning 1

Modelled DAB Reasoning Responses

D – It is sometimes true

A – Sometimes when you multiply a 4-digit number by 1-digit the answer has 4 digits but not always

B – For example, $1,234 \times 3 = 3,702$ but $1,234 \times 9 = 11,106$

Reasoning 2

Modelled DAB Reasoning Response

D – There is a mistake

A – The answer is 7,245

B – The counters show the correct multiplication but no exchanges have been made. It has been written 6/12/3/16

Reasoning 3

The statement is correct.

Children should demonstrate the calculation using Base 10 or other materials to prove the statement is correct

Reasoning 4 $4,523 \times 6 = 27,138$

Modelled DAB Reasoning Responses

D – It can use the inverse to find Ranjit's number

A – $4,523 \times 6 = 27,138$

B – If I divide 27,138 by 6, the answer is 4,523

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

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



Problem Solving 1

There are 3 solutions

2 X 6,309 3 X 4,206 6 X 2,303

Problem Solving

There are 6 solutions

3 X 6,888

4 X 5,166

6 X 3,444

7 X 2,952

8 X 2,583

9 X 2,296

