1. You may use the incomplete multiplication table to help answer this question.

×	2	3	4	5	6	7	8	9	10	11	12
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

Hint: lowest means "smallest number"

Hint: common means "they share"

Common multiples of 8 and 10 are 40, 80, ...

The lowest common multiple of 8 and 10 is 40

Find the lowest common multiple of 9 and 12

1. . . . .

2. The teacher used this method to find the lowest common multiple of 20 and 25

- She wrote out the multiples of 2 and some of the multiples of 20

  multiples of 2:   2   4   6   8   10   12   14   16   18   20

  multiples of 20:   20   40   60   80   100

- She wrote out some multiples of 25, by adding 20 and then 5

  multiples of 25:   25   ₊₂₀→ 45 ₊₅↘ 50 ₊₂₀→ 70 ₊₅↘ 75 ₊₂₀→ 95 ₊₅↘ 100

- She only wrote out enough to find the lowest common multiple of 20 and 25 is 100

Find the lowest common multiple of 12 and 15

You may use these boxes to help

multiples of 12:	12	24	36	48	60	72	84	96	108	120

multiples of 15:   15   ₊₁₀→ 25 ₊₅↘ 30 ₊₁₀→ ... ₊₅↘ ...

2. . . . .

Turn over for more questions and answers

3. You may use the incomplete multiplication table to help answer this question.

×	2	3	4	5	6	7	8	9	10	11	12
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	(24)	30	36	42	(48)	54	60	66	(72)
7	14	21	28	35	42	49	56	63	70	77	84
8	16	(24)	32	40	(48)	56	64	(72)	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120

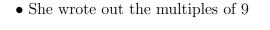Hint: lowest means "smallest number"

Hint: common means "they share"

Common multiples of 6 and 8 are 24, 48, 72, …

The lowest common multiple of 6 and 8 is 24

Find the lowest common multiple of 5 and 7

3. . . . .

4. The teacher used this method to find the lowest common multiple of 9 and 30

- She wrote out the multiples of 9

    multiples of 9:   9   18   27   36   45   54   63   72   81   [90]

- She wrote out the multiples of 3, and some multiples of 30

    multiples of 3:   3   6   9   12   15   18   21   24   27   30

    multiples of 30:   30   60   [90]

- She only wrote out enough to find the lowest common multiple of 9 and 30 is 90

Find the lowest common multiple of 30 and 40

4. . . . .

5. Find the lowest common multiple of 20 and 70

You may use these boxes to help

multiples of 2:	2	4	6	8	10	12	14	16	18	20
multiples of 20:	20	40								

multiples of 7:	7	14	21	28	35	42	49	56	63	70
multiples of 70:	70									

5. . . . .

multiple (6) answers Q1 36, Q2 60, Q3 35, Q4 120 Q5 140