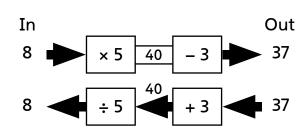Name ....
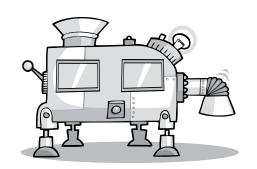
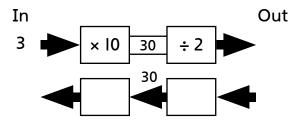# Reversing changes

Fill in the missing numbers and operations.

In   Out

8 → | × 5 | 40 | − 3 | → 37

8 ← | ÷ 5 | ← 40 ← | + 3 | ← 37

1.

In   Out

6 → | × 7 | 42 | + 4 | →

← | | ← 42 ← | | ←

2.

In   Out

3 → | × 10 | 30 | ÷ 2 | →
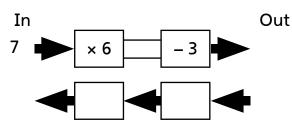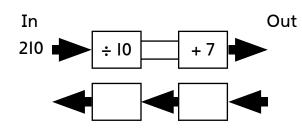
← | | ← 30 ← | | ←

Choose your input numbers and take them through these machines.

3.

In   Out

7 → | × 6 | | − 3 | →

← | | ← | | ←

4.

In   Out

210 → | ÷ 10 | | + 7 | →

← | | ← | | ←

5.

In   Out

45 → | ÷ 5 | | − 2 | →

← | | ← | | ←

6.

In   Out

5 → | × 7 | | + 4 | | × 6 | →

← | | ← | | ← | | ←

7.

In   Out

16 → | ÷ 4 | | + 5 | →

← | | ← | | ←

8.

In   Out

4 → | × 7 | | + 4 | | + 4 | →

← | | ← | | ← | | ←
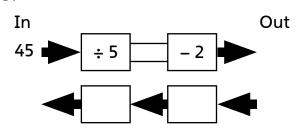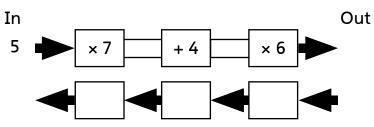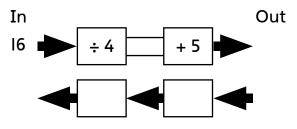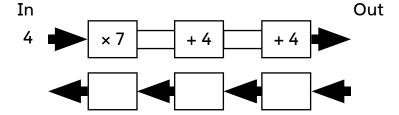
I can use a function machine to investigate two-step operations

Algebraic thinking: Applying and using