Adding and subtracting decimals

Add and subtract decimals to 2 places using the formal written method

Challenge 1

1 Work out these calculations using the formal written method.

a 376·86 + 215·11

b 235·31 + 453·47

c 415·74 + 143·63

d 283·54 + 304·83

e 327·68 + 250·61

f 311·75 + 185·92

g 436·33 + 281·94

h 193·81 + 542·57

i 352·72 + 483·45

j 462·72 + 311·53

Example

```
    3 5 4 · 8 3
+   1 3 2 · 7 4
    4 8 7 · 5 7
            1
```

2 Work out these calculations using the formal written method.

a 372·65 − 130·41

b 457·87 − 245·63

c 376·26 − 143·50

d 566·47 − 213·72

e 763·57 − 340·83

f 699·45 − 247·61

g 857·04 − 461·28

h 714·56 − 353·84

i 826·38 − 561·72

j 682·53 − 291·62

Example

```
      5 14
    6 4 7 · 3 7
−   2 6 1 · 2 6
    3 8 6 · 1 1
```

3 What is the most challenging step when adding and subtracting decimals using the formal written method?

Challenge 2

1 Work out these calculations using the formal written method.

a 2656·62 + 3712·57

b 3723·83 + 2195·42

c 4622·47 + 2183·71

d 1863·49 + 3715·80

e 3275·74 + 5341·53

f 6298·47 + 2540·82

g 3951·28 + 5356·81

h 5884·72 + 6417·45

i 7693·87 + 6403·74

j 8054·53 + 5321·71

Example

```
    3 8 7 2 · 2 7
+   2 5 1 3 · 9 1
    6 3 8 6 · 1 8
    1       1
```

2 Work out these calculations using the formal written method.

a 6483·72 − 2150·91

b 5286·64 − 1074·83

c 5649·37 − 3823·75

d 4248·68 − 2016·98

e 6527·16 − 3274·54

f 7362·36 − 4851·44

g 8827·27 − 3656·36

h 9242·47 − 5570·61

i 9726·35 − 6851·77

j 8650·76 − 4723·49

Example

```
    6  13      1    17
    7  3 9 2 · 7 5
−   2  6 3 1 · 9 3
    4  7 6 0 · 8 2
```

3 Think of a time when you might need to add or subtract decimals using the written method.

Challenge 3

1 Work out these calculations using the formal written method.

a 12 416·54 + 25 276·81

b 25 376·38 + 37 152·90

c 28 376·16 + 31 573·85

d 36 282·48 + 37 355·62

e 48 275·37 + 21 953·71

f 56 486·62 + 37 365·57

g 43 826·75 + 52 738·43

h 63 583·47 + 58 375·92

i 78 362·92 + 64 365·67

j 47 836·73 + 75 649·58

2 Work out these calculations using the formal written method.

a 37 872·36 − 13 694·51

b 42 376·28 − 15 381·36

c 48 286·27 − 23 537·48

d 52 737·62 − 34 381·72

e 67 427·62 − 42 816·98

f 78 329·82 − 54 163·29

g 88 331·13 − 62 770·42

h 81 932·62 − 73 855·28

i 55 555·55 − 27 777·77

j 82 486·26 − 37 294·55