Reasoning and Problem Solving - Decimals - Year 5

1. Combined
0.77
0.9
0.99
1.02

Competitors 3 and 4 beat the record. Competitor 4 holds the record now.

2. sculpture height
0.722
0.841
0.809
0.789

- 3. 0.65, 0.77, 0.42
- 4. 0.63, 0.49, 0.72

5.

| Area | Reaction time | + or – record | | |
|-------|---------------|------------------|--|--|
| North | 0.963 | - 0.037 | | |
| South | 0.926 | - 0.074 | | |
| West | 1.002 | + 0.002 | | |

The north and south have beaten the current record. The south has the new record holder.

6.

4.3 0 8

6.1 8₁ 2

1 0.4 9 0

3.8 9 8

+ 7.1 0 1

1 0.9 9 9

5.8 3 6

+ 5₁.6₁ 8₁ 5

1 1.5 2 1

7. Result
15.02
19.769
18.104
18.016

Canada has the fastest climber.

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8. Jump Height 3.845 3.99 3.625 2.865

The record holder is Angie

9.

| Contestant | J | F | М | Α | М | J | J |
|------------|---------|---------|---------|---------|---------|---------|---------|
| Geoff | 13.35kg | 13.5kg | 13.65kg | 13.8kg | 13.95kg | 14.1kg | 14.25kg |
| Shirley | 12.09kg | 12.89kg | 13.69kg | 14.49kg | 15.29kg | 16.09kg | 16.89kg |
| Scott | 10.65kg | 10.99kg | 11.33kg | 11.67kg | 12.01kg | 12.35kg | 12.69kg |

10.

| Cost | x10 | x100 | x1,000 |
|-------|--------|------|--------|
| £5.95 | £59.50 | £595 | £5,950 |
| £3.45 | £34.50 | £345 | £3,450 |
| £1.75 | £17.50 | £175 | £1,750 |
| £2.50 | £25 | £250 | £2,500 |

11. T shirts £3.59, Caps £1.56, Flag £1.80 Whistle 19p Poncho 1p Pen 6p Programme £5.32

Total for one VIP pack is £17.53