

Outcome 1 - Calculating the Range

Bronze examples

Examples...

Range = Highest - Lowest

2, 5, 6, 7, 14

Range = $14 - 2 = 12$

1, 2, 3, 4, 5, 8

Range = $8 - 1 = 7$

Silver examples

Examples...

Range = Highest - Lowest

64, 73, 48, 52, 33

Range = $73 - 33 = 40$

58, 87, 73, 42, 68, 34, 59

Range = $87 - 34 = 53$

Gold examples

Examples...

Range = Highest - Lowest

2, -5, -3, 5, 6, 1, -4

Range = $6 - (-5) = 11$

7000, 4000, 6000, 9000, 15 000

Range = $15\ 000 - 4000 = 11\ 000$

Bronze Questions

Calculate the range of the following lists...

1 1, 3, 5, 6

2 2, 3, 3, 4

3 3, 4, 7, 9, 10

4 4, 5, 6, 7, 7

5 5, 6, 6, 8, 8, 10

6 1, 2, 4, 6, 8, 10

7 3, 3, 3, 4, 4, 5, 5

8 4, 4, 6, 6, 6, 7, 9

9 2, 2, 3, 4, 5, 7, 8

10 2, 4, 4, 5, 5, 6, 7

Silver Questions

Calculate the range of the following lists...

1 56, 48, 33, 78, 69

2 28, 46, 17, 39

3 65, 43, 82, 59, 33, 79

4 62, 45, 79, 56, 38

5 28, 18, 24, 32, 20, 19

6 44, 38, 43, 39, 40

7 69, 64, 56, 60, 58, 55

8 93, 96, 95, 97, 94

9 67, 63, 68, 65, 60

10 130, 170, 180, 150

Gold Questions

Calculate the range of the following lists...

1 7, -5, 4, -7, 6, 3, -2

2 3, 4, -2, 0, 7, -4

3 -3, 4, -2, 3, 8, -5, 2

4 7, -5, 4, -3, 1, 3, -4

5 14, -17, 16, 15, 12, -15

6 18, -11, 23, -32, 31

7 4000, 7000, 5000, 6000

8 5000, 2000, 8000, 4000

9 15 000, 6000, 4000, 1000

10 14 000, 19 000, 15 000

Bronze Answers

- | | | | |
|----|---|-----|---|
| 1. | 5 | 2. | 2 |
| 3. | 7 | 4. | 3 |
| 5. | 5 | 6. | 9 |
| 7. | 2 | 8. | 5 |
| 9. | 6 | 10. | 5 |

Silver Answers

- | | | | |
|----|----|-----|----|
| 1. | 45 | 2. | 29 |
| 3. | 49 | 4. | 41 |
| 5. | 14 | 6. | 6 |
| 7. | 14 | 8. | 4 |
| 9. | 8 | 10. | 50 |

Gold Answers

- | | | | |
|----|--------|-----|------|
| 1. | 14 | 2. | 11 |
| 3. | 13 | 4. | 12 |
| 5. | 33 | 6. | 63 |
| 7. | 3000 | 8. | 6000 |
| 9. | 14 000 | 10. | 5000 |