**4UIQM: Element 1: Numeracy for Business**

**Solutions to activities**

|  |  |
| --- | --- |
| **Activity 1** | 1. 180 2. 40 3. 96 |
| **Activity 2** | Positive |
| **Activity 3** | 1. Improper 2. Mixed 3. Proper 4. Improper |
| **Activity 4** |  |
| **Activity 5** | 1. Any two relevant examples such as and and and 2. Any two relevant examples such as = 0.3 and = 0.67 |
| **Activity 6** | 1. 1.8 2. 0.64 3. 5.33 4. 3.6 5. 6.0 |
| **Activity 7** | 1. or 2.68 2. or -6.65 |
| **Activity 8** |  |
| **Activity 9** | 1. 5.0505 2. 8010 3. 6322500000 4. 8.745 |
| **Activity 10** | 1. 60% 2. 53.33% 3. 3.33% 4. 385.71% |
| **Activity 11** |  |
| **Activity 12** | 30 students |
| **Activity 13** | 1. 75% 2. 0.11% 3. 400% |
| **Activity 14** | 15% |
| **Activity 15** | 1. 1:3 2. 1:4 3. 6:5 |
| **Activity 16** | Activity 16   1. 180, 120, 60 2. 1800, 1500, 1200 3. $12000 |
| **Activity 17** | Before = $12000 and After = $10000 |
| **Activity 18** | Stock and shares = $2720  Parents = $8000  Remainder = $21280 |
| **Activity 19** | 1. 7.5 2. 2.7 3. 9 4. 2 |
| **Activity 20** | 1. 0.6 2. 3000 3. 28 |
| **Activity 21** | $945 |
| **Activity 22** | 7% |
| **Activity 23** | 10 years |
| **Activity 24** | A sum of money accumulating 3% compound interest for 12 years |
| **Activity 25** | 1. $6167.08 2. $5686.18 3. $6532.89 4. $5407.16 |
| **Activity 26** | 20% |
| **Activity 27** | $13586 |
| **Activity 28** | After 6 years |
| **Activity 29** | $1560 |
| **Activity 30** | $45 |
| **Activity 31** | $107.41 |