

Y8 – Autumn – Block 1 – Step 4 – Solve problems involving ratios of the form $m : n$

| Question | Answer |
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| 1 | a) The ratio of apples to oranges is 2 : 3 b) The ratio of oranges to apples is 3 : 2 c) If there are 6 oranges, there will be 4 apples. d) If there are 6 apples, there will be 9 oranges. |
| 2 | True Not enough information. Discussion point – could potentially be true but not necessarily. True False |
| 3 | a) 18 b) 32 c) 4 d) 3 : 32 |
| 4 | a) 400 b) 144 |
| 5 | a) 98 b) 196 c) 49 d) If there are twice as many horses, there are twice as many sheep. If there are half as many horses there are half as many sheep. e) 392 |
| 6 | 16 hours |
| 7 | a) The following ratios should be ticked. 100 : 50 2 : 1 Students may also tick 1 : 2 assuming the ratio Tommy to Annie. b) £1.50 or 150 p c) £5 d) £6 e) £7.50 |