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|  | Simplifying Ratio |
|  | ***Predict*** what you think the answer will be and then ***work it out***. |
|  | **A** |  | **B** |  | **C** |  |  |
|  | 1) | Simplify 10 : 16 |  | 1) | Simplify $\frac{10}{16}$ |  | 1) | Simplify 10a : 16a |  |  |
|  |
|  | 2) | Simplify 16 : 10 |  | 2) | Simplify 50p : £1.50 |  | 2) | Simplify 10a : 16b |  |  |
|  | 3) | Simplify 8 : 10 |  | 3) | Simplify $\frac{8}{10}$ |  | 3) | Simplify 10a2 : 16a |  |  |
|  | 4) | Simplify 4 : 5 |  | 4) | Simplify $\frac{16}{20}$ |  | 4) | Simplify 50p : £2.70 |  |  |
|  | 5) | Simplify 4.5 : 5 |  | 5) | Simplify $\frac{32}{20}$ |  | 5) | Simplify 32ab : 16bc |  |  |
|  | 6) | Simplify 32 : 24 |  | 6) | Simplify 50 cm : 1.5 m |  | 6) | Simplify 32ba : 16cb |  |  |
|  | 7) | Simplify 32 : 48 |  | 7) | Simplify 60 minutes : 1 hour |  | 7) | Simplify 1.5 kilometres : 400 metres |  |  |
|  | 8) | Simplify 64 : 96 |  | 8) | Simplify $\frac{64}{40}$ |  | 8) | Simplify 30a2b : 18b2a  |  |  |
|  | 9) | Simplify 64 : 96 : 20 |  | 9) | Simplify 600 seconds : 2.5 minutes |  | 9) | Simplify 18a3b2 : 24b4a2 |  |  |
|  | 10) | Simplify 128 : 96 : 40 |  | 10) | Simplify28 : 42 : 28 |  | 10) | Simplify 18a3b2 : 24b4a2 : 21ac |  |  |

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| Simplifying Ratio ANSWERS |
| ***Predict*** what you think the answer will be and then ***work it out***. |
| **A** |  | **B** |  | **C** |  |  |
| 5 : 8 |  | 1) | $$\frac{5}{8}$$ |  | 1) | 5 : 8 |  |  |
|  |
| 8 : 5 |  | 2) | 1 : 3 |  | 2) | 5a : 8b |  |  |
| 4 : 5 |  | 3) | $$\frac{4}{5}$$ |  | 3) | 5a : 8 |  |  |
| 4 : 5 |  | 4) | $$\frac{4}{5}$$ |  | 4) | 5 : 27 |  |  |
| 9 : 10 |  | 5) | $$\frac{8}{5}$$ |  | 5) | 2a : c |  |  |
| 4 : 3 |  | 6) | 1 : 3 |  | 6) | 2a : c |  |  |
| 2 : 3 |  | 7) | 1 : 1 |  | 7) | 15 : 4 |  |  |
| 2 : 3 |  | 8) | $$\frac{8}{5}$$ |  | 8) | 5a : 3b  |  |  |
| 16 : 24 : 5 |  | 9) | 4 : 1 |  | 9) | 3a : 4b2 |  |  |
| 16 : 12 : 5 |  | 10) | Simplify4 : 3 : 4 |  | 10) | 6a2b2 : 8b4a: 7c |  |  |