**Task One**

Angela is simplifying fractions. Here is her working for the first three questions:

|  |  |  |
| --- | --- | --- |
| $$\frac{16}{64}=\frac{1}{4}$$ | $$\frac{19}{95}=\frac{1}{5}$$ | $$\frac{26}{65}=\frac{2}{5}$$ |

Angela is wrong. Explain her mistake.

**Task Two**

All of these fractions can be cancelled incorrectly using Angela’s method.

Simplify the fractions (correctly!). Use Angela’s mistake to check that your answers are correct.

Make sure that your working clearly shows what you have divided the numerator and denominator by at each step.

|  |  |  |  |
| --- | --- | --- | --- |
| $$\frac{13}{325}$$ | $$\frac{199}{995}$$ | $$\frac{127}{762}$$ | $$\frac{327}{872}$$ |
| $$\frac{275}{374}$$ | $$\frac{176}{275}$$ | $$\frac{364}{637}$$ | $$\frac{166}{664}$$ |
| $$\frac{364}{637}$$ | $$\frac{436}{763}$$ | $$\frac{273}{728}$$ | $$\frac{13}{325}$$ |
| $$\frac{266}{665}$$ | $$\frac{124}{217}$$ | $$\frac{316}{632}$$ | $$\frac{187}{385}$$ |
| $$\frac{138}{184}$$ | $$\frac{139}{973}$$ | $$\frac{145}{435}$$ | $$\frac{187}{748}$$ |
| $$\frac{154}{253}$$ | $$\frac{161}{644}$$ | $$\frac{163}{325}$$ | $$\frac{148}{185}$$ |
| $$\frac{412}{721}$$ | $$\frac{218}{981}$$ | $$\frac{187}{286}$$ | $$\frac{182}{819}$$ |