Fractions, Decimals and Percentages

i. **Complete the following table**

Fraction	Decimal	Percentage
1	1	_____
$^1/_2$	_____	50%
_____	$0.\dot{3}$	$33.\dot{3}\%$
$^1/_4$	_____	25%
$^1/_5$	0.2	_____
$^1/_5$	_____	$16.\dot{6}$
$^1/_{10}$	0.1	_____
_____	0.05	5%
$^1/_{100}$	_____	1%

ii. **Calculate the following percentages**

- 50% of 140g
- 75% of £16
- 40% of 24 kg
- 15% of £6.20
- 25% of 9.6m
- 120% of £11

iii. **Calculate the following expressions involving decimals**

- 0.75×60
- 0.4×20
- 0.01×304
- 1.5×24
- 0.6×660
- 0.55×400

iv. **You want to buy a new TV. Shops A,B and C all stock the TV you want but which one is the best value?**

- **Shop A** Original Price £175   Sale Price 20% off
- **Shop B** Original Price £200   Sale Price $^1/_4$ off
- **Shop C** Original Price £290   Sale Price 50% of original price