

Review of Bounds

These numbers are correct to 3 sig fig
Find upper and lower bounds for them

$$45.25 \leq 45.3 < 45.35$$

$$7405 \leq 7410 < 7415$$

$$53550 \leq 53600 < 53650$$

$$0.01225 \leq 0.0123 < 0.01235$$

$$5.865 \leq 5.87 < 5.875$$

$$0.6105 \leq 0.611 < 0.6115$$

$$48.45 \leq 48.5 < 48.55$$

$$989.5 \leq 990 < 990.5$$

$$16750 \leq 16800 < 16850$$

Blue Books Ex 23A

- i) b) $115g \leq 120g < 125g$ nearest 10g
- d) $49.5\text{mph} \leq 50\text{mph} < 50.5\text{mph}$ nearest mph
- f) $16.75\text{cm} \leq 16.8\text{cm} < 16.85\text{cm}$ nearest tenth cm
- h) $14450 < 14500 < 14550$ nearest 100

i) $52.5 \text{ miles} \leq 55 \text{ miles} < 57.5 \text{ miles}$ nearest 5 miles

a) $6.5 \text{ cm} \leq 7 \text{ cm} < 7.5 \text{ cm}$ nearest cm

c) $3350 \text{ km} \leq 3400 \text{ km} < 3450 \text{ km}$ nearest 100 km

e) $\pounds 5.50 \leq \pounds 6 < \pounds 6.50$ nearest pound

g) $15.5 \text{ kg} \leq 16 \text{ kg} < 16.5 \text{ kg}$ nearest kg

i) $54.5 \text{ miles} \leq 55 \text{ miles} \leq 55.5 \text{ miles}$ nearest mile

2b) 17 kg (2 s.f.)

$$16.5 \text{ kg} \leq 17 \text{ kg} < 17.5 \text{ kg}$$

2d) 238 km (3 s.f.)

$$237.5 \text{ km} \leq 238 \text{ km} < 238.5 \text{ km}$$

2a) 6 cm (1 s.f.)

$$5.5 \text{ cm} \leq 6 \text{ cm} < 6.5 \text{ cm}$$