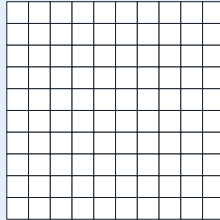


## Percentages as fractions and decimals

### WHAT THIS LESSON TEACHES

**Per cent means 'out of 100'.** A percentage is a fraction over 100 and a decimal in hundredths.



→  $45\% = 45/100 = 0.45$ .

→  $7\% = 0.07$ ;  $100\% = \text{the whole}$ .

### ANSWER KEY

a) 25%: 0.25

b) 5%: 0.05

c) 50%: 0.5

d) 7%: 0.07

e) 100%: 1.0

Q1: 18 squares ( $18\% \text{ of } 100 = 18$ )

Q2: 18 squares ( $18\% \text{ of } 100 = 18$ )

Q3: 97 squares ( $97\% \text{ of } 100 = 97$ )

Q4:  $75\% = 3/4 = 0.75$

### EXTENSION SHEET · STRETCH ANSWERS

S1:  $0.75 = 3/4 = 75\%$

S2: 17 squares ( $17\% \text{ of } 100 = 17$ )

S3: 17 squares ( $17\% \text{ of } 100 = 17$ )

S4:  $3/5 = 0.6 = 60\%$

S5:  $0.75 = 3/4 = 75\%$