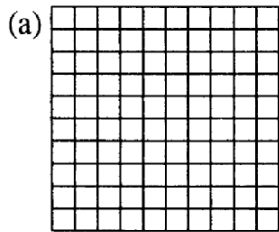
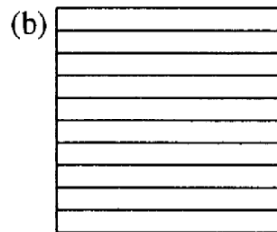


Percentages

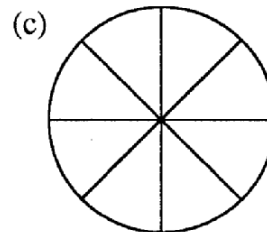
Q 1. Shade in the percentage amounts shown:



37%



40%



25%

Q 2. At one school, 17% of students travelled by bus, 39% travelled to school by car and the rest walked. What percentage of students walked to school?

Q 3. Change the following percentages to fractions and write the answer in the simplest form:

(a) 40%

(b) 90%

(c) 35%

(d) 8%

Q 4. Change the following fractions to percentages:

(a) $\frac{63}{100}$

(b) $\frac{8}{10}$

(c) $\frac{12}{20}$

(d) $\frac{20}{25}$

Q 5. Change the following percentages to decimals:

(a) 16%

(b) 9%

(c) 32%

(d) 100%

Q 6. Find the percentage of the quantities shown:

(a) 40% of \$60

(b) 90% of 1000 people

(c) 3% of 200 cars

(d) 45% of 300

(e) 1% of 100 grapes

(f) 25% of 40 trees.

Q 7. Jimmy has \$200 in a savings account which pays interest at 10% p.a. How much interest will Jim earn in (a) 1 year? (b) 2 years? (c) 3 years?

Q 8. Ann spends 10% of her savings on a T-shirt which costs \$15.00. How much did Ann have saved before she bought the T-shirt?

Percentage

- Q1. On a bus trip, there were 7 girls, 13 boys and 5 adults.
- (a) What percentage of the children are girls?
 - (b) What percentage of the children are boys?
 - (c) What percentage of all the people are adults?
 - (d) What percentage of all the people are boys?
- Q2. What percentage mark does Margaret get if she scored 31 out of 40 in a general knowledge quiz?
- Q3. James buys a new car for \$17 500 and after one year it loses 15% of its value. What is its value after 1 year?
- Q4. Jenifer puts \$500 in her savings account for 2 years and earns \$80 interest. What is the interest rate per year?
- Q5. A tin of 'Lucky' dog food is made up 142 grams of Kangaroo meat, 21 grams of jelly, 28 grams of vegetables and 9 grams of vitamins.
Find each of the 4 ingredients as a percentage of the total weight.
- Q6. Decrease (make smaller) the following amounts of money by 15%:
(a) \$60 (b) \$84 (c) \$135
- Q7. Last year a new Ford Excel cost \$27 800. The price this year has risen by 11% because of inflation. What is its price this year?
- Q8. Craig bought a second hand bicycle for \$80 and after repainting it, he sold it for \$110.00.
(a) What is his profit? (b) What is his profit as a percentage of the cost price?
- Q9. Out of a possible total of 600 marks, Penny scored 91%. How many extra marks would she need to score 94%?
- Q10. A real estate salesman gets $4\frac{1}{2}\%$ commission on the value of each house he sells. How much commission does he get paid for selling house worth \$286 400?