Ch.3 Percentage

Q.1 Express the following numbers in percentage.

例 (a) $\dfrac{4}{100}$

$= \dfrac{4}{100} \times 100\%$

$= \underline{\hspace{2cm}}$

(b) 0.1

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

(c) $\dfrac{4}{25}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

(d) 0.025

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

(e) $\dfrac{6}{5}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

(f) 3.85

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

(g) $\dfrac{9}{1000}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

$= \underline{\hspace{4cm}}$

(h) 0.0062

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

$= \underline{\hspace{5cm}}$

Q.2 Convert the following percentage number into (i) simplest fractions, (ii) decimals.

e.g. (a) 29%

(i) $\underline{\hspace{4cm}}$ (ii) $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

(b) 47.5%

(i) $\underline{\hspace{4cm}}$ (ii) $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

(c) 0.48%

(i) $\underline{\hspace{4cm}}$ (ii) $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

$\underline{\hspace{4cm}}$ $\underline{\hspace{4cm}}$

Q.3 (a) What percentage of 40 is 8?

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(b) What percentage of 250 is 125?

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(c) What percentage of 52 is 13?

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(d) What percentage of 25 is 125?

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Q.4 (a) Find 25% of 80.

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(b) Find 30% of 60.

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(c) Find 16% of 125.

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(d) Find 10% of $21.

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(e) Find 20% of 65kg.

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(f) Find 40% of 120cm.

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Q.5 In a class with 40 students, there are 55% of girls and 45% of boys. Find the number the boys and girls.

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Q.6 The monthly salary of Karen is $7000. She spends 30% of the salary on meal. Find the amount of money that she spends on meal.

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Q.7***Challenging question

In a MC test, there are 20 questions. Each question carries 2 marks. Peter gets 28 marks in the test. Find the percentage of the correct answers.

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Q.8***Challenging question

The age of Tim is 25% of that of his father. If Tim now is 11 years old, find the age of his father.

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