

**EXERCISE 11.3**

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**1. Express each of the following percents as decimals:**

**(i) 12.5%**

**(ii) 75%**

**(iii) 128.8%**

**(iv) 0.05%**

**Solution:**

(i) Given 12.5%

$$= (12.5/100)$$

$$= 0.125$$

(ii) Given 75%

$$= (75/100)$$

$$= 0.75$$

(iii) Given 128.8%

$$= (128.8/100)$$

$$= 1.288$$

(iv) Given 0.05%

$$= (0.05/100)$$

$$= 0.0005$$

**2. Express each of the following decimals as per cents:**

**(i) 0.004**

**(ii) 0.24**

**(iii) 0.02**

**(iv) 0.275**

**Solution:**

(i) Given 0.004

0.004 can be written as  $4/1000$

$$= (4/1000) \times 100$$

$$= 0.4\%$$



(ii) Given 0.24

0.24 can be written as  $(24/100)$

$$= (24/100) \times 100$$

$$= 24\%$$

(iii) Given 0.02

0.02 can be written as  $(2/100)$

$$= (2/100) \times 100$$

$$= 2\%$$

(iv) Given 0.275

0.275 can be written as  $(275/1000)$

$$= (275/1000) \times 100$$

$$= 27.5\%$$

**3. Write each of the following as whole numbers or mixed numbers:**

(i) 136%

(ii) 250%

(iii) 300%

**Solution:**

(i) Given 136%

$$= (136/100)$$

On simplifying we get

$$= (34/25)$$

(ii) Given 250%

$$= (250/100)$$

On simplifying

$$= (5/2)$$

(iii) Given 300%

$$= (300/100)$$

$$= 3$$