



### Exercise 3E

(c) 0.069

First, we will multiply 23 by 3.

$$\text{i.e., } 23 \times 3 = 69$$

Sum of decimal places in the given decimals =  $(2 + 1) = 3$

$$\therefore 0.23 \times 0.3 = 0.069 \quad (\text{3 places of decimal})$$

Q12

**Answer :**

(b) 0.6

We have:

$$2 \times 30 = 60$$

$$\begin{aligned} \therefore 0.02 \times 30 &= 0.60 && (\text{2 places of decimal}) \\ &= 0.6 \end{aligned}$$

Q13

**Answer :**

(b) 0.2

First, we will multiply 25 by 8.

$$\therefore 25 \times 8 = 200$$

Sum of decimal places in the given decimals =  $(2 + 1) = 3$

$$\begin{aligned} \therefore 0.25 \times 0.8 &= 0.200 && [\text{3 places of decimal}] \\ &= 0.2 \end{aligned}$$

Q14

**Answer :**

(c) .064

First, we will find the product  $4 \times 4 \times 4 = 64$

Sum of decimal places in the given decimals =  $(1 + 1 + 1) = 3$

$\therefore 0.4 \times 0.4 \times 0.4 = 0.064$  ( 3 places of decimal)

Q15

**Answer :**

(b) .0011

First, we will find the product  $11 \times 1 \times 1$ .

Sum of decimal places in the given decimals =  $(1 + 1 + 2) = 4$

$\therefore 1.1 \times 0.1 \times 0.01 = 0.0011$  (4 places of decimal)

Q16

**Answer :**

(a) 13

$$2.08 \div 0.16 = \frac{2.08}{0.16} = \frac{2.08 \times 100}{0.16 \times 100} = \frac{208}{16} = 13$$

Q17

**Answer :**

(b) 0.17

$$1.02 \div 6 = \frac{1.02}{6} = \frac{1.02 \times 100}{6 \times 100} = \frac{102}{6 \times 100} = \frac{17}{100} = 0.17$$

Q18

**Answer :**

(a) 44.2

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