Exercise 7E

Q20

Answer:

(b) 0.01 m

1 m = 100 cm

$\therefore 1 \text{ cm} = \frac{1}{100} \text{ m} = 0.01 \text{ m}$

Q21

Answer:

(b) 2.05 m

$2 \text{ m } 5 \text{ cm} = (2 + \frac{5}{100}) \text{ m} = (2 + 0.05) \text{ m} = 2.05 \text{ m}$

Q22

Answer:

(c) 2.008 kg

1 kg = 1000 g

$\therefore 2 \text{ kg } 8 \text{ g} = 2 \text{ kg} + \frac{8}{1000} \text{ kg} = (2 + 0.008) \text{ kg} = 2.008 \text{ kg}$

Q23

Answer:

(b) 2.056 kg

$2 \text{ kg} + 56 \text{ g} = (2 + \frac{56}{1000}) \text{ kg} = (2 + 0.056) \text{ kg} = 2.056 \text{ kg}$

Q24

Answer:

(c) 2.035 km

1 km = 1000 m

$\therefore 2 \text{ km } 35 \text{ m} = (2 + \frac{35}{1000}) \text{ km} = (2 + 0.035) \text{ km} = 2.035 \text{ km}$

Q25

Answer:

(c) 4.804

0.4 + 0.004 + 4.4

Converting into like decimals and then adding:

```
  4.400
  0.004
+ 0.400
  4.804
```

Q26

Answer:

(a) 1.545

Converting into like decimals:

Converting into like decimals:

3.500 + 4.050 − 6.005

$$\begin{array}{r} 3.500 \\ + 4.050 \\ \hline 7.550 \end{array}$$

$$\begin{array}{r} 7.550 \\ - 6.005 \\ \hline 1.545 \end{array}$$

Q27

Answer :

(b) 3.5

$$\begin{array}{r} 6.3 \\ - 2.8 \\ \hline 3.5 \end{array}$$

Q28

Answer :

(c) 1.41

Converting into like decimals and then subtracting:

$$\begin{array}{r} 5.01 \\ - 3.60 \\ \hline 1.41 \end{array}$$

Q29

Answer :

(a) 1.3

Converting into like decimals and then subtracting:

$$\begin{array}{r} 2.0 \\ - 0.7 \\ \hline 1.3 \end{array}$$

Q30
Answer :

(a) 0.8

Converting into like decimals and then subtracting:

```
  1.1
- 0.3
  0.8
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