Integers Ex 1.4 Q10

Answer :

On applying the BODMAS rule, we get:

$$22 - \frac{1}{4}\left\{-5 - \left(-48\right) \div \left(-16\right)\right\}$$
$$= 22 - \frac{1}{4}\left\{-5 - 3\right\} \quad \left[\text{Performing division}\right]$$
$$= 22 - \frac{1}{4}\left\{-8\right\}$$
$$= 22 - \left(-2\right) \quad \left[\text{Removing braces}\right]$$
$$= 22 + 2 = 24$$

Integers Ex 1.4 Q11

Answer :

On applying the BODMAS rule, we get:

$63 - (-3)\{-2 - \overline{8-3}\} \div 3\{5 + (-2)(-1)\}$
$= 63 - (-3)\{-2 - 5\} \div 3\{5 + 2\}$ (On simplifying vinculum)
$= 63 - (-3)(-7) \div 3 \times 7$ (On simplifying braces)
$= 63 - (21 \div 21)$
$= 63 - 1$
$= 62$

Integers Ex 1.4 Q12

Answer :

On applying the BODMAS rule, we get:

$[29 - (-2)\{6 - (7-3)\}] \div [3 \times \{-3) \times (-2)\}]$
$= [29 - (-2)\{6 - 4\}] \div [3 \times \{5 + 6\}]$ (On simplifying parentheses)
$= [29 - (-2)(2)] \div [3 \times 11]$ (On performing subtraction and addition)
$= [29 + 4] \div 33$ (On performing multiplication)
$= 33 \div 33$
$= 1$

Integers Ex 1.4 Q13

Answer :

(i) $9\ (2 + 5)$

(ii) $12 \div (1 + 3)$

(iii) $20 \div (7 - 2)$

(iv) $(2 \times 3) - 8$

(v) $40 \div \{(9 + 10) + 1\}$

(vi) $2 \times \{(19 - 6) - 1\}$

********** END **********