

RD SHARMA

Solutions

Class 7 Maths

Chapter 1

Ex 1.3

Find the value of

Q1) $36 \div 6 + 3$.

Solution:

$$36 \div 6 + 3 = 6 + 3 \\ = 9$$

Q2) $24 + 15 \div 3$.

Solution:

$$24 + 15 \div 3 = 24 + 5 \\ = 29$$

Q3) $120 - 20 \div 4$.

Solution:

$$120 - 20 \div 4 = 120 - 5 \\ = 115$$

Q4) $32 - (3 \times 5) + 4$.

Solution:

$$32 - (3 \times 5) + 4 = 32 - 15 + 4 \\ = 17 + 4 \\ = 21$$

Q5) $3 - (5 - 6 \div 3)$.

Solution:

$$3 - (5 - 6 \div 3) = 3 - (5 - 2) \\ = 3 - 3 \\ = 0$$

Q6) $21 - 12 \div 3 \times 2$.

Solution:

$$21 - 12 \div 3 \times 2 = 21 - \frac{12}{3} \times 2 \\ = 21 - 4 \times 2 \\ = 21 - 8 \\ = 13$$

Q7) $16 + 8 \div 4 - 2 \times 3$.

Solution:

$$16 + 8 \div 4 - 2 \times 3 \\ = 16 + 2 - 6 \\ = 18 - 6 \\ = 12 \\ \therefore 16 + 8 \div 4 - 2 \times 3 = 12$$

Q8) $28 - 5 \times 6 + 2$.

Solution:

$$\begin{aligned}28 - 5 \times 6 + 2 &= 28 - (5 \times 6) + 2 \\ &= 28 - 30 + 2 \\ &= 30 - 30 \\ &= 0\end{aligned}$$

Q9) $(-20) \times (-1) + (-28) \div 7.$

Solution:

$$\begin{aligned}(-20) \times (-1) + (-28) \div 7 &= 20 + \frac{|-28|}{|7|} \\ &= 20 - \frac{28}{7} \\ &= 20 - 4 \\ &= 16\end{aligned}$$

Q10) $(-2) + (-8) \div (-4).$

Solution:

$$\begin{aligned}(-2) + (-8) \div (-4) &= -2 + \frac{|-8|}{|-4|} \\ &= -2 + 2 \\ &= 0\end{aligned}$$

Q11) $(-15) + 4 \div (5 - 3).$

Solution:

$$\begin{aligned}-15 + 4 \div (5 - 3) &= -15 + 4 \div 2 \\ &= -15 + 2 \\ &= -13 \\ -15 + 4 \div (5 - 3) &= -13\end{aligned}$$

Q12) $(-40) \times (-1) + (-28) \div 7.$

Solution:

$$\begin{aligned}(-40) \times (-1) + (-28) \div 7 &= 40 + (-4) \\ &= 40 - 4 \\ &= 36\end{aligned}$$

Q13) $(-3) + (-8) \div (-4) - 2 \times (-2).$

Solution:

$$\begin{aligned}(-3) + (-8) \div (-4) - 2 \times (-2) &= (-3) + \frac{(-8)}{(-4)} - 2 \times (-2) \\ &= -3 + 2 + 4 \\ &= 6 - 3 \\ &= 3\end{aligned}$$

Q14) $(-3) \times (-4) \div (-2) + (-1).$

Solution:

$$(-3) \times (-4) \div (-2) + (-1) = 12 \div (-2) + (-1)$$

$$= -6 - 1$$

$$= -7$$

$$\therefore (-3) \times (-4) \div (-2) + (-1) = -7$$