Exercise 4A

$$\frac{13}{-8} = \frac{65}{-40}$$

(ii) Denominator of $\frac{13}{-8}$ is -8.

Clearly,
$$(-8) \times (-4) = 32$$

Multiplying both the numerator and the denominator by -4:

$$\frac{13 \times (-4)}{-8 \times (-4)} = \frac{-52}{32}$$

$$\frac{13}{-8} = \frac{-52}{32}$$

Q15

Answer:

(i) Numerator of $\frac{-36}{24}$ is -36.

Clearly,
$$(-36) \div 4 = (-9)$$

Dividing both the numerator and the denominator by 4:

$$\frac{-36:4}{24:4} = \frac{-9}{6}$$

(ii) Numerator of $\frac{-36}{24}$ is -36.

Clearly,
$$(-36) \div (-6) = 6$$

Dividing both the numerator and the denominator by -6:

$$\frac{-36 \div (-6)}{24 \div (-6)} = \frac{6}{-4}$$

$$\frac{-36}{24} = \frac{6}{-4}$$

Q16

Answer:

(i) Denominator of $\frac{84}{-147}$ is -147.

Dividing both the numerator and the denominator by -21:

$$\frac{84 \div (-21)}{-147 \div (-21)} = \frac{-4}{7}$$

$$\frac{84}{-147} = \frac{-4}{7}$$

(ii) Denominator of $\frac{84}{-147}$ is -147. -147÷3=-49

$$-147 \div 3 = -49$$

Dividing both the numerator and the denominator by 3:

$$\frac{84 \div 3}{-147 \div 3} = \frac{28}{-49}$$

$$\frac{84}{-147} = \frac{28}{-49}$$

Q17

Answer: