

Name: _____ Date: _____

Division of Integers

Q1. $-24 \div [12 \div (-3)]$ is equal to

Sol.

Q2. Evaluate $[(-64) \div 16] \div 4$

Sol.

Q3. Fill in the blanks:

(a) $229 \div \underline{\hspace{2cm}} = 229$

(b) $(-71) \div \underline{\hspace{2cm}} = -1$

(c) $(-105) \div \underline{\hspace{2cm}} = 1$

(d) $-78 \div \underline{\hspace{2cm}} = 78$

(e) $\underline{\hspace{2cm}} \div 1 = -57$

(f) $\underline{\hspace{2cm}} \div 35 = -1$

(g) $18 \div \underline{\hspace{2cm}} = -2$

(h) $\underline{\hspace{2cm}} \div (6) = -4$

Sol.

Q4. In a class test (+ 4) marks are given for every correct answer and (-1) marks are given for every incorrect answer and no marks for not attempting any question. Rajni scored 30 marks. If she has got 10 correct answers, how many questions has she attempted incorrectly?

Sol.

Answers

Division of Integers

Q1. $-24 \div [12 \div (-3)]$ is equal to

$$\begin{aligned}\text{Sol. } & -24 \div [12 \div (-3)] \\ & = -24 \div (-4) \\ & = 6\end{aligned}$$

Q2. Evaluate $[(-64) \div 16] \div 4$

$$\begin{aligned}\text{Sol. } & [(-64) \div 16] \div 4 \\ & = (-4) \div 4 = -1\end{aligned}$$

Q3. Fill in the blanks:

(a) $229 \div \underline{\hspace{2cm}} = 229$

(b) $(-71) \div \underline{\hspace{2cm}} = -1$

(c) $(-105) \div \underline{\hspace{2cm}} = 1$

(d) $-78 \div \underline{\hspace{2cm}} = 78$

(e) $\underline{\hspace{2cm}} \div 1 = -57$

(f) $\underline{\hspace{2cm}} \div 35 = -1$

(g) $18 \div \underline{\hspace{2cm}} = -2$

(h) $\underline{\hspace{2cm}} \div (6) = -4$

Sol. (a) $229 \div \underline{1} = 229$

(b) $(-71) \div \underline{71} = -1$

(c) $(-105) \div \underline{(-105)} = 1$

(d) $-78 \div \underline{(-1)} = 78$

(e) $\underline{(-57)} \div 1 = -57$

(f) $\underline{(-35)} \div 35 = -1$

(g) $18 \div \underline{(-9)} = -2$

(h) $\underline{(-24)} \div (6) = -4$

Q4. In a class test (+ 4) marks are given for every correct answer and (-1) marks are given for every incorrect answer and no marks for not attempting any question. Rajni scored 30 marks. If she has got 10 correct answers, how many questions has she attempted incorrectly?

Sol. Marks for 1 right answer = +4

Marks for 1 wrong answer = (-1)

Rajni scored = 30 marks

Marks obtained for correct answers = $10 \times 4 = 40$

Marks obtained for incorrect answers = Total score - Marks scored for correct answer = $30 - 40 = -10$

Number of incorrect answer = $-10/-1 = 10$