

B.E.S.T. Group Of Schools, Saudi Arabia

Class:7

Worksheet - 1

Subject: Mathematics



Examination: Term 1 (2018-2019)

Integers

Choose correct option in the following questions:

- In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If John's scores in five successive rounds were 25, - 5, - 10, 15 and 10, what was his total at the end?
a. 35 b. 65 c. 50 d. 45
- $(-3) \times (-4) = \underline{\hspace{2cm}}$
a. -12 b. 12 c. 7 d. -7 e. -1
- $(-7) \times (-2) \times (-1) = \underline{\hspace{2cm}}$
a. 14 b. 10 c. -14 d. -10
- $(-15) \times [(-7) + (-1)] = \underline{\hspace{2cm}}$
a. 23 b. -120 c. -23 d. 120
- $45 \div (-3) = \underline{\hspace{2cm}}$
a. -15 b. 15 c. 48 d. -48

Fill in the blanks:

- When two positive integers are added we get a _____ integer.
- For any two integers a and b , $a - b = a + \text{-----}$
- $(-5) + (\text{.....}) = (-8) + (\text{.....})$
- For any integer a , $a \times 1 = 1 \times a = \underline{\hspace{2cm}}$.
- Find:
 - $90 \div (-45)$
 - $(-136) \div 4$
- The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C

per hour until midnight, at what time would the temperature be 8°C below zero?

12. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

Choose correct option in questions:

Fill in the blanks:

18. On a number line when we add a__integer, we move to the right.
19. The additive inverse of any integer a is_____.
20. For any two integers a and b , $a + b$ is an_____.
21. For any integer a , $a \times 0 = 0 \times a =$ _____.
22. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. Radhika answered all the questions and scored 30 marks though she got 10 correct answers. Find the number of incorrect answers given by her. Also the total number of questions given in the test.

Fraction

Answer the questions:

- What is six-seventh of half?
- Solve the following
 - $\frac{18}{7} \times \frac{49}{9}$
 - $5\frac{2}{3} \times 6\frac{12}{13}$
 - $\frac{22}{9} \div \frac{11}{63}$
 - $\frac{17}{4} \div 5\frac{2}{3}$
- If the perimeter of a square plot is $\frac{2}{9}$ m, then find the length of each side.
- Arwa's aunt lives 63 kilometers away from her house. When she wants to visit her aunt, she travels $\frac{3}{7}$ of this distance by train and the rest by bus. How many kilometers does she travel by bus?
- Solve: $\frac{3}{8} \div \left(\frac{3}{15} - \frac{5}{3} \times \frac{7}{25}\right)$
- Solve: $3\frac{2}{3} - 4\frac{2}{3} \div 3\frac{1}{3}$
- Hamza ate $\frac{1}{8}$ of a pizza and his friend ate $\frac{3}{4}$ of it. What is the fraction left over (give the simplest form of the fraction)?

