

Period 5

INTEGERS

Problems based on Division of Integers

SUBJECT : MATHEMATICS CHAPTER NUMBER: 01 CHAPTER NAME : INTEGERS

CHANGING YOUR TOMORROW

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Learning outcome

Students will be able to

- divide integers with the same sign
- divide integers with different signs
- evaluate problems involving arithmetic (+, -, x , ÷) operations



Previous Knowledge Test

If x and y are integers, is i) $x \div y$ is an integer?

ii)
$$x \div 1 = x$$
.

I)No ii) Yes

Ex1B

5. State, true or false: (i) $0 \div 32 = 0$ (ii) $0 \div (-9) = 0$ (iii) $(-37) \div 0 = 0$ (iv) $0 \div 0 = 0$

Solution:

(i) True.

(ii) True.

(iii) False. It is not defined.

(iv) False. It is not defined.

6. Evaluate: (i) $42 \div 7 + 4$ (ii) $12 + 18 \div 3$ (iii) $19 - 20 \div 4$ (iv) $16 - 5 \times 3 + 4$ (v) $6 - 8 - (-6) \div 2$



EX 1 D

9. Write all the integers between – 15 and 15, which are divisible by 2 and 3.

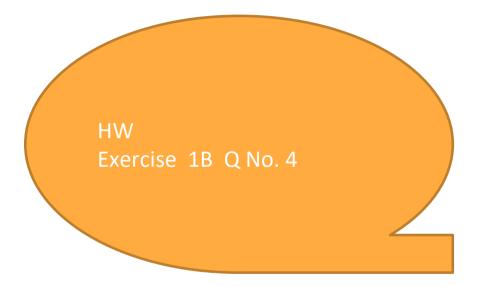
Solution:

Here the integers between -15 and 15 are -12, -6, 0, 6 and 12 which are divisible by 2 and 3.

10. Write all the integers between – 5 and 5, which are divisible by 2 or 3.

Solution: Here the integers between -5 and 5 are -4, -3, -2, 0, 2, 3 and 4 which are divisible by 2 or 3.







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