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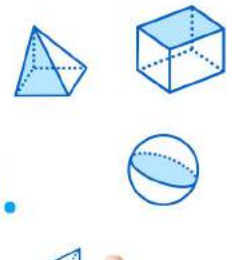

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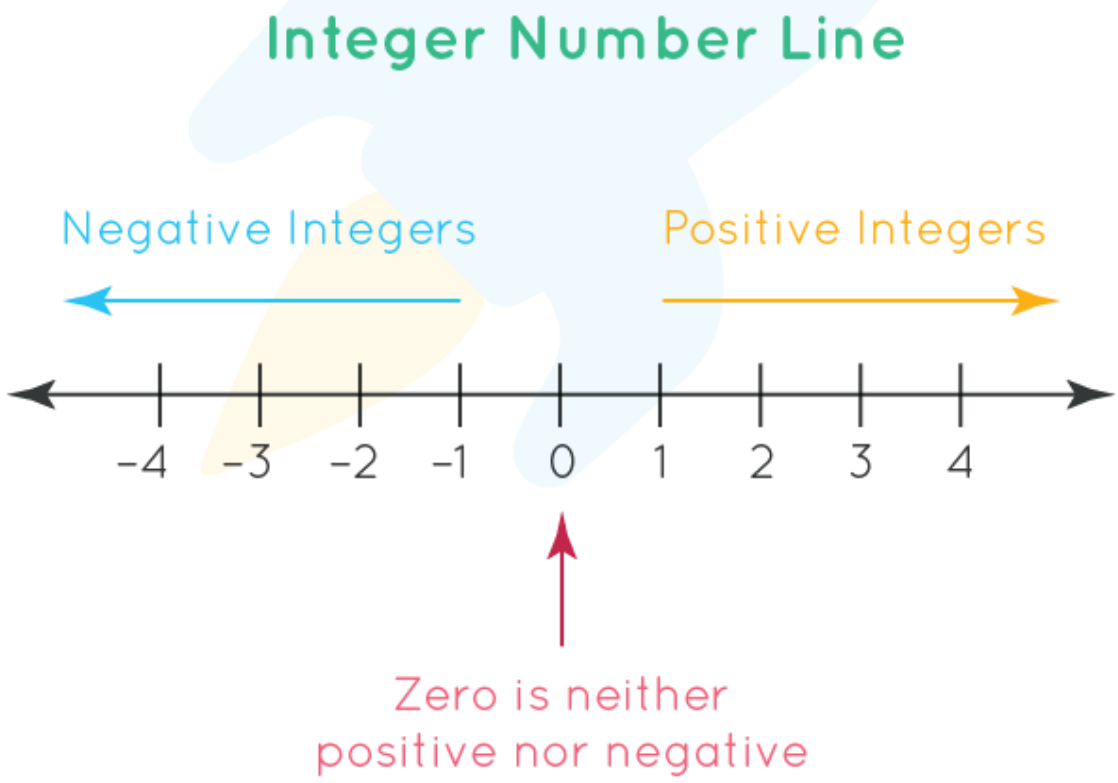
# Integers Worksheets Grade 7

1. Fill in the blanks.
i) (-1) × even number of times = _____
ii) (-1) × odd number of times = _____
iii) (-3589) ÷ _____ = -1
iv) _____ ÷ 993 = 0

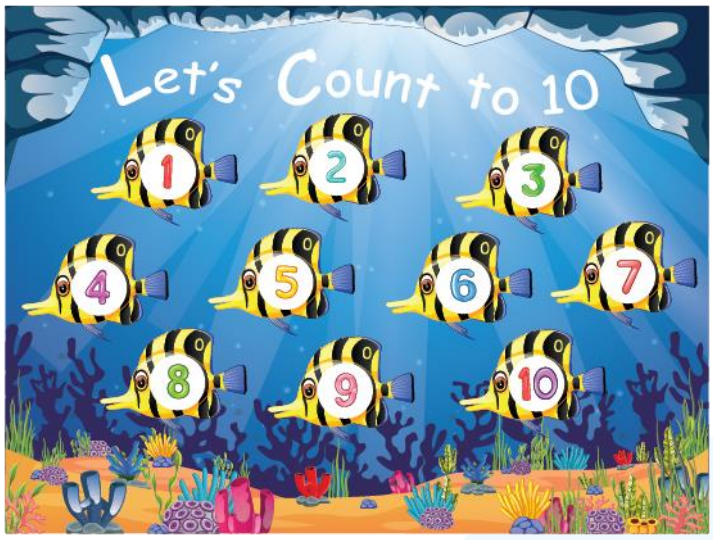
2. Use the below given integer number line to find a pair of integers whose:
i) Sum is -8
ii) Difference is 0
iii) Sum is -2
iv) Difference is 2



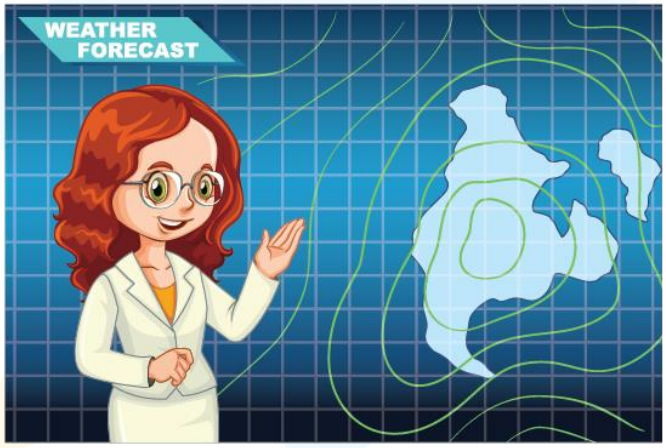

3. Write a negative integer and a positive integer whose
i) Sum is -3
ii) Difference is 10

4. The fish in the pond below carry some numbers. Choose any 2 pairs and carry out two multiplication with those numbers now.

choose two other pairs and carry out divisions with these numbers.




5. The weather report suggested that your city's temperature increased from – 10 degree celsius to 20 degree celsius. What is the rise in temperature?




6. Find the value of each of the following products.

i) $(-3) \times 15$

ii) $4 \times (-10)$

iii) $(-3) \times (-2) \times 5$

iv) $2 \times (-8) \times (-1)$

v) $(-8) \times (-4) \times 0 \times (-6) \times (-8)$

7. Verify the following:

i) $(-5) \times [(-7) + (-5)] = [(-5) \times (-7)] + [(-5) \times (-5)]$

ii) $(-7) \times [(-8) + 9] = [-7 \times (-8)] + [(-7) \times 9]$

8. Find the value of $a$ if product of $a$ with

i) 1 is 100
ii) 300 is -1

9. In a Math test (+2) marks are given for every correct answer and 1 mark is given for every incorrect answer. Zayn gets 12 of her answers correct out of 18 questions on the test. What will be his score?

10. Use >, < OR = symbols in the blank space in each of the following.
i) (-3) - (-5) ___ (-4) + (-9)
ii) 71 -2 - 31 ___ 71 - 2 +31
iii) 39 + (-35) – (58) ___ 37 + (-11) - (+26)
iv) 23 + (-8) - 7 ___ 9 - 13 + 12

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# ANSWERS

| | |
|---|---|
| 1.<br>i) 1 ii) -1<br>iii) 3589 iv) 0 | 6.<br>i)-15 ii) -40<br>iii) 30 iv)16<br>v) 0 |
| 2. i) -1 and -7<br>ii) -2 and +2<br>iii) 2 and -4<br>iv) 0 and -2 | 7.<br>i) LHS ≠ RHS<br>ii) LHS = RHS |
| 3. i) -5 and 2<br>ii) 5 and -5 | 8.<br>i) a = 100<br>ii) a = $\frac{-1}{300}$ |
| 4.<br>+9 × -8 = -56<br>-8 × -13 = -21<br>-27 ÷ +9 = -3<br>-24 ÷ -8 = 3 | 9. 18 marks |
| 5. 30 degree celsius | 10.<br>i) > ii) <<br>iii) < iv) = |

## FUN FACT

1. An integer can be negative, zero or positive.
2. A number if expressed in a fractional form is not an integer.
3. There are infinite real numbers between any two integers.