

WEEK: 19

Week Beginning: (27/07/20)

Subject: MATHS

Year: 5

Lesson Objective:

- Introduction to adding, subtracting, multiplying and dividing negative numbers
- Understand the double negative converts to add
- Be able to effectively deal with negative numbers

Class Worksheets

- 4 rules of integers
- Practice questions

Homework

- Continue to work on this topic

Additional Notes

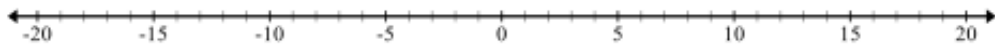
- All lesson worksheets and **homework for next week (due Week 20)** worksheets can be found below
- Week 18 homework will be marked in lesson hence make sure it is fully complete

Please print 2 a page or open this document during the lesson to save paper!

Rules:

RULES FOR INTEGERS (SIGNED NUMBERS)	
ADDITION	SUBTRACTION
$+$ and $+$ = $+$	ADD THE OPPOSITE! (Change the subtraction sign to an addition sign. Change the sign of the second number. Now follow the Addition rules!)
$-$ and $-$ = $-$	
$+$ and $-$ = $+$	
$-$ and $+$ = $-$	
MULTIPLICATION AND DIVISION	
$+$ and $+$ = $+$	$+$ and $-$ = $-$
$-$ and $-$ = $+$	$-$ and $+$ = $-$
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13. $6 + (-3)$



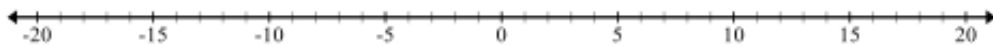
14. $-3 + (-9)$



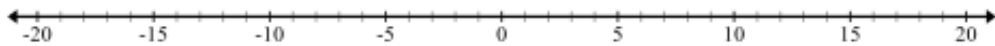
15. $-4 + (-4)$



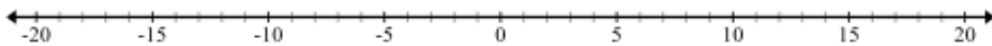
15. $6 + (-6)$



16. $-9 + 8$



17. $20 + (-8)$



Grade 6 Integers Worksheet

Find the sum.

1. $3 + -3 =$ _____ 2. $24 + 15 =$ _____ 3. $-6 + 3 =$ _____

4. $2 + -19 =$ _____ 5. $-13 + 28 =$ _____ 6. $-25 + 1 =$ _____

7. $27 + 16 =$ _____ 8. $14 + 25 =$ _____ 9. $12 + -23 =$ _____

10. $-20 + 3 =$ _____ 11. $1 + -8 =$ _____ 12. $-22 + 5 =$ _____

13. $-14 + 19 =$ _____ 14. $3 + 13 =$ _____ 15. $23 + -8 =$ _____

16. $7 + -6 =$ _____ 17. $-15 + 6 =$ _____ 18. $-17 + -28 =$ _____

19. $19 + 21 =$ _____ 20. $-20 + -6 =$ _____ 21. $2 + 2 =$ _____

22. $-16 + 7 =$ _____ 23. $4 + -1 =$ _____ 24. $2 + 4 =$ _____

Subtraction of integers

Grade 6 Integers Worksheet

Find the difference.

1. $-3 - -1 =$ _____ 2. $5 - 2 =$ _____ 3. $-4 - -5 =$ _____

4. $4 - 7 =$ _____ 5. $-10 - 2 =$ _____ 6. $-8 - -10 =$ _____

7. $1 - -10 =$ _____ 8. $-4 - -6 =$ _____ 9. $-2 - -2 =$ _____

10. $6 - -5 =$ _____ 11. $1 - 7 =$ _____ 12. $-5 - 5 =$ _____

13. $8 - -6 =$ _____ 14. $4 - -2 =$ _____ 15. $-8 - 8 =$ _____

16. $-5 - -9 =$ _____ 17. $8 - -9 =$ _____ 18. $6 - 2 =$ _____

19. $7 - -6 =$ _____ 20. $6 - 3 =$ _____ 21. $4 - -1 =$ _____

Multiplication of integers

Grade 6 Integers Worksheet

Find the product.

1. $-3 \times 5 =$ _____ 2. $4 \times -2 =$ _____ 3. $7 \times 6 =$ _____

4. $10 \times 8 =$ _____ 5. $-2 \times 8 =$ _____ 6. $7 \times 3 =$ _____

7. $4 \times -4 =$ _____ 8. $2 \times -6 =$ _____ 9. $-10 \times -5 =$ _____

10. $7 \times -6 =$ _____ 11. $7 \times 7 =$ _____ 12. $4 \times 3 =$ _____

13. $1 \times 3 =$ _____ 14. $-7 \times -7 =$ _____ 15. $4 \times -1 =$ _____

16. $9 \times 0 =$ _____ 17. $3 \times 2 =$ _____ 18. $5 \times -9 =$ _____

Division of integers

Grade 6 Integers Worksheet

Find the quotient.

1. $-3 \div 3 =$ _____

2. $-8 \div 8 =$ _____

3. $-66 \div -11 =$ _____

4. $-36 \div 12 =$ _____

5. $192 \div 6 =$ _____

6. $-108 \div -12 =$ _____

7. $55 \div -5 =$ _____

8. $187 \div 11 =$ _____

9. $-177 \div 3 =$ _____

10. $-104 \div -4 =$ _____

11. $24 \div -12 =$ _____

12. $110 \div 11 =$ _____

13. $96 \div -8 =$ _____

14. $66 \div -11 =$ _____

15. $170 \div -10 =$ _____

16. $-110 \div -11 =$ _____

Homework Questions:

Adding Integers

1) $85 + (-96) = \underline{\hspace{2cm}}$

2) $80 + 57 = \underline{\hspace{2cm}}$

3) $86 + (-38) = \underline{\hspace{2cm}}$

4) $22 + (-41) = \underline{\hspace{2cm}}$

5) $-18 + (-45) = \underline{\hspace{2cm}}$

6) $-32 + 48 = \underline{\hspace{2cm}}$

7) $6 + (-33) = \underline{\hspace{2cm}}$

8) $6 + (-47) = \underline{\hspace{2cm}}$

9) $(-78) + 69 = \underline{\hspace{2cm}}$

10) $-72 + (-30) + 10 = \underline{\hspace{2cm}}$

11) $-83 + (-36) + 20 = \underline{\hspace{2cm}}$

Subtracting Integers

1) $1 - 3 = \underline{\hspace{2cm}}$

2) $2 - (-5) = \underline{\hspace{2cm}}$

3) $6 - (-9) = \underline{\hspace{2cm}}$

4) $-7 - (-1) = \underline{\hspace{2cm}}$

5) $-7 - 4 = \underline{\hspace{2cm}}$

6) $3 - (-2) = \underline{\hspace{2cm}}$

7) $-1 - 9 = \underline{\hspace{2cm}}$

8) $2 - 9 = \underline{\hspace{2cm}}$

9) $-8 - (-1) = \underline{\hspace{2cm}}$

Multiplying Integers

1) $(-4)(-12) = \underline{\hspace{2cm}}$

2) $-8 \times (-8) = \underline{\hspace{2cm}}$

3) $(-8)(-10) = \underline{\hspace{2cm}}$

4) $5 \times 1 = \underline{\hspace{2cm}}$

5) $(-10)(11) = \underline{\hspace{2cm}}$

6) $(-3)(-8) = \underline{\hspace{2cm}}$

7) $-2 \times 6 = \underline{\hspace{2cm}}$

8) $7(-12) = \underline{\hspace{2cm}}$

9) $4 \times (-10) = \underline{\hspace{2cm}}$

10) $(-9)(-6)(2) = \underline{\hspace{2cm}}$

11) $(-10)(-7)(-4) = \underline{\hspace{2cm}}$

Dividing Integers

1) $-48 \div 6 = \underline{\hspace{2cm}}$

2) $-81 \div (-9) = \underline{\hspace{2cm}}$

3) $-18 \div (-6) = \underline{\hspace{2cm}}$

4) $25 \div (-5) = \underline{\hspace{2cm}}$

5) $-10 \div 2 = \underline{\hspace{2cm}}$

6) $-35 \div (-5) = \underline{\hspace{2cm}}$

7) $-42 \div 6 = \underline{\hspace{2cm}}$

8) $-70 \div (-7) = \underline{\hspace{2cm}}$

9) $-16 \div (-8) = \underline{\hspace{2cm}}$