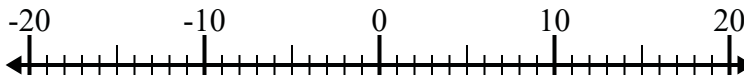




Solve each problem. Use the numberline if needed.

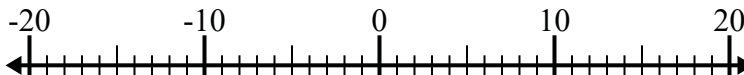
Answers

1) $8 + (-6) =$ _____



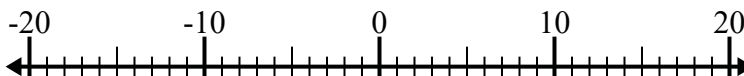
1. _____

2) $(-11) - (-8) =$ _____



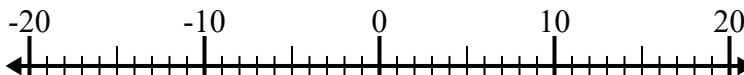
2. _____

3) $12 + (-6) =$ _____



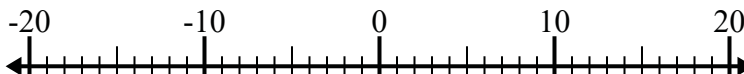
3. _____

4) $14 - (-1) =$ _____



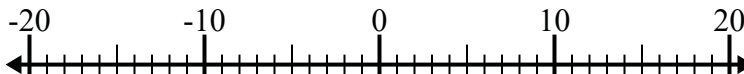
4. _____

5) $(-5) + (-14) =$ _____



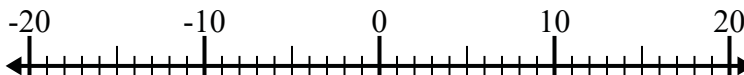
5. _____

6) $1 - (-8) =$ _____



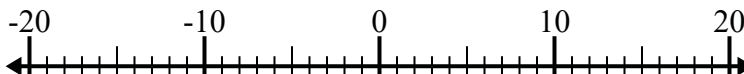
6. _____

7) $2 - (-4) =$ _____



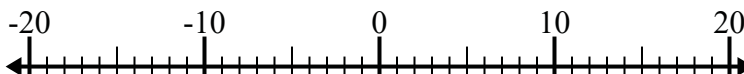
7. _____

8) $4 - (-15) =$ _____



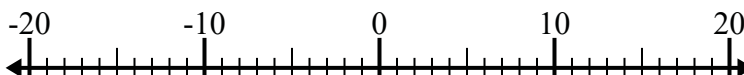
8. _____

9) $7 - (-1) =$ _____



9. _____

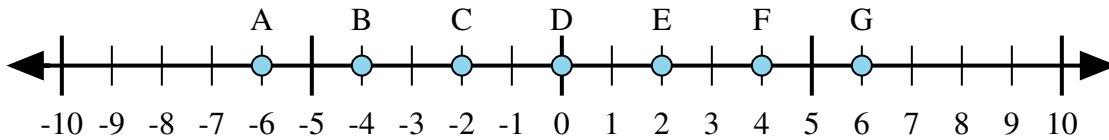
10) $5 - (-1) =$ _____



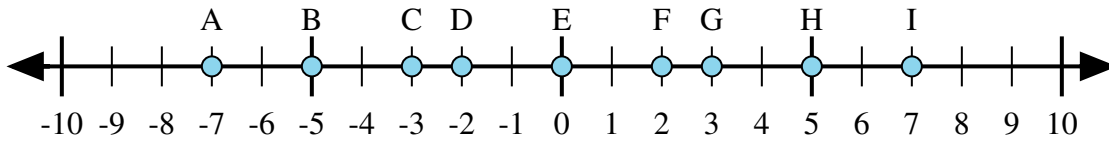
10. _____



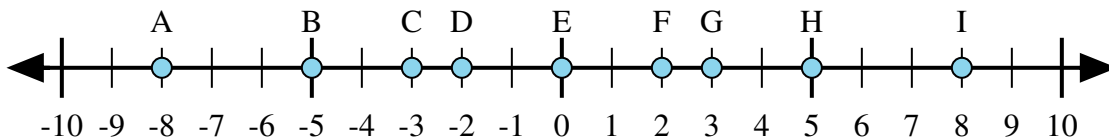
Determine which letter in the numberline best represents the answer to each problem.



- 1) $(-4) + 2 =$
- 2) $2 + 4 =$
- 3) $(-2) + 4 =$
- 4) $4 + (-2) =$
- 5) $2 + (-4) =$



- 6) $(-2) + 5 =$
- 7) $5 + (-2) =$
- 8) $5 + 2 =$
- 9) $2 + (-5) =$
- 10) $(-5) + 2 =$



- 11) $5 + (-3) =$
- 12) $(-3) + 5 =$
- 13) $3 + (-5) =$
- 14) $(-5) + (-3) =$
- 15) $(-5) + 3 =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

Name _____ Period _____ Date _____

Add and Subtract Integers

Solve.

1. $-2+9$

2. $-4+(-12)$

3. $-20+(-4)$

4. $6+(-30)$

5. $14+(-9)$

6. $16+(-26)$

7. $-7+(-5)$

8. $52+8$

9. $-16+(-4)$

10. $-2-9$

11. $13-(-9)$

12. $-3-(-4)$

13. $-5-10$

14. $-12-(-29)$

15. $16-(-1)$

16. $6+(-9)$

17. $-7+(-14)$

18. $16-9$

19. $9-16$

20. $27+(-2)$

21. $60-45$

22. $-10+13$

23. $-16+(-49)$

24. $-10-6$

25. $-17-(-19)$

26. $60-79$

27. $-200+900$

28. $-65+79$

29. $-12-7$

30. $46+79$

Name _____ Period _____ Date _____

Add and Subtract Integers 2

Solve.

1. $-5+9$

2. $-7+(-12)$

3. $-23+(-1)$

4. $10+(-32)$

5. $54+(-11)$

6. $26+(-26)$

7. $-10+(-12)$

8. $84+12$

9. $-25+(-6)$

10. $-4-16$

11. $16-(-7)$

12. $-4-(-10)$

13. $-7-12$

14. $-34-(-27)$

15. $18-(-2)$

16. $16+(-19)$

17. $-3+(-17)$

18. $14-6$

19. $8-12$

20. $30+(-4)$

21. $70-45$

22. $-9+15$

23. $-27+(-34)$

24. $-22-9$

25. $-12-(-16)$

26. $55-89$

27. $-40+90$

28. $-28+37$

29. $-13-7$

30. $20+54$

Name _____ Period _____ Date _____

Adding and Subtracting Integers 1: *Look at the examples for each section.*

For problems 1 – 6, add the two negative numbers.

Example: $-6 + (-12) = -18$

1. $-10 + (-32)$

2. $-15 + (-37)$

3. $-3 + (-8)$

4. $-500 + (-48)$

5. $-24 + (-24)$

6. $-17 + (-13)$

For problems 7 – 12, add the positive number and the negative number.

(Hint: Subtract and keep the sign of the larger number.)

Example: $-6 + (12) = 6$

Example: $20 + (-22) = -2$

7. $6 + (-15)$

8. $25 + (-15)$

9. $-10 + 3$

10. $-6 + 18$

11. $-16 + 4$

12. $19 + (-12)$

For problems 13 – 18, subtract the negative number from the positive number.

Example: $20 - (-12) = 32$

13. $11 - (-2)$

14. $12 - (-12)$

15. $5 - (-16)$

16. $1 - (-46)$

17. $4 - (-19)$

18. $64 - (-13)$

For problems 19 – 24, subtract the negative number from the negative number.

Example: $-7 - (-12) = -7 + 12 = 5$ *Example:* $-3 - (-2) = -3 + 2 = -5$

19. $-6 - (-12)$

20. $-10 - (-17)$

21. $-14 - (-23)$

22. $-4 - (-1)$

23. $-41 - (-37)$

24. $-70 - (-20)$

For problems 25 – 30, subtract the positive number from the negative number.

Example: $-10 - 3 = -13$

25. $-8 - 5$

26. $-26 - 4$

27. $-48 - 6$

28. $-2 - 9$

29. $-41 - 6$

30. $-17 - 6$

Integer Operations Review

Name: _____

Adding Integers

1) $85 + (-96) =$ _____

2) $80 + 57 =$ _____

3) $86 + (-38) =$ _____

4) $22 + (-41) =$ _____

5) $-18 + (-45) =$ _____

6) $-32 + 48 =$ _____

7) $6 + (-33) =$ _____

8) $6 + (-47) =$ _____

9) $(-78) + 69 =$ _____

10) $-72 + (-30) + 10 =$ _____

11) $-83 + (-36) + 20 =$ _____

Subtracting Integers

1) $1 - 3 =$ _____

2) $2 - (-5) =$ _____

3) $6 - (-9) =$ _____

4) $-7 - (-1) =$ _____

5) $-7 - 4 =$ _____

6) $3 - (-2) =$ _____

7) $-1 - 9 =$ _____

8) $2 - 9 =$ _____

9) $-8 - (-1) =$ _____

Multiplying Integers

1) $(-4)(-12) =$ _____

2) $-8 \times (-8) =$ _____

3) $(-8)(-10) =$ _____

4) $5 \times 1 =$ _____

5) $(-10)(11) =$ _____

6) $(-3)(-8) =$ _____

7) $-2 \times 6 =$ _____

8) $7(-12) =$ _____

9) $4 \times (-10) =$ _____

10) $(-9)(-6)(2) =$ _____

11) $(-10)(-7)(-4) =$ _____

Dividing Integers

1) $-48 \div 6 =$ _____

2) $-81 \div (-9) =$ _____

3) $-18 \div (-6) =$ _____

4) $25 \div (-5) =$ _____

5) $-10 \div 2 =$ _____

6) $-35 \div (-5) =$ _____

7) $-42 \div 6 =$ _____

8) $-70 \div (-7) =$ _____

9) $-16 \div (-8) =$ _____

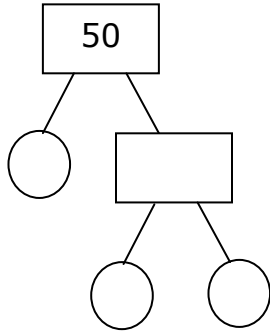
Name _____

Date _____

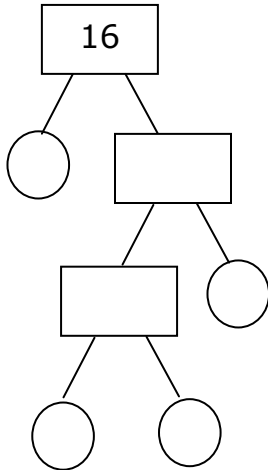
Prime Factorization - Independent Practice Worksheet

Complete all the problems.

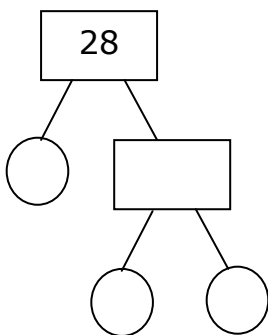
1.



2.



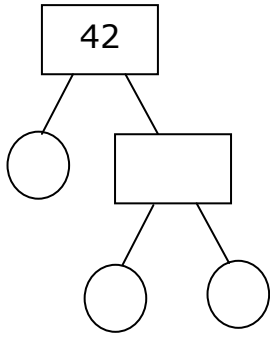
3.



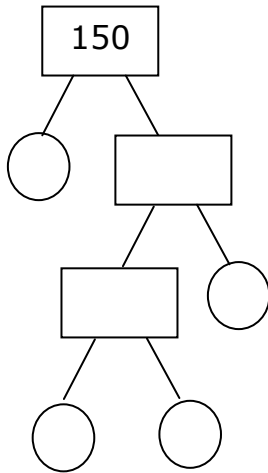
Name _____

Date _____

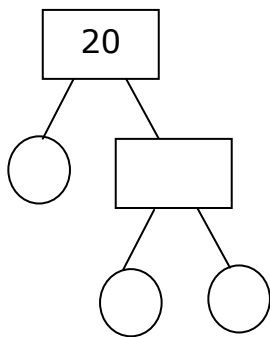
4.



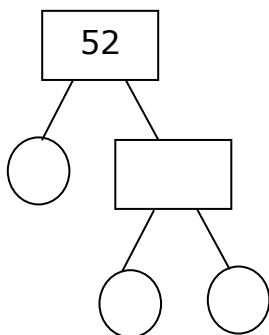
5.



6.



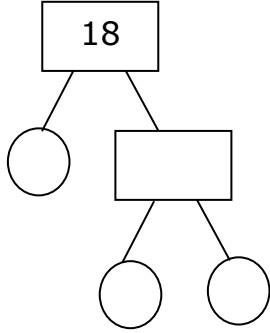
7.



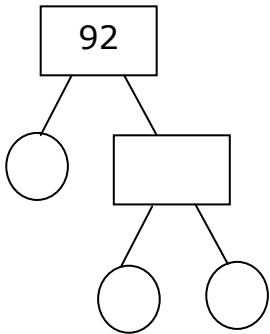
Name _____

Date _____

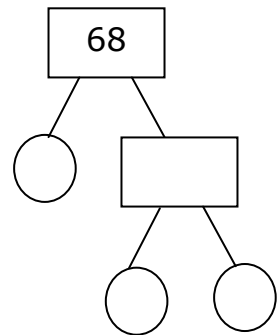
8.



9.



10.



Name _____ Period _____ Date _____

Factor Trees and GCF

Find the prime factorization of each number by making a factor tree.

1. 100 2. 325 3. 99 4. 252

5. 385 6. 98 7. 80 8. 264

Find the GCF (greatest common factor) for the following numbers.

9. 100 and 50 10. 130 and 45 11. 25 and 120

12. 98 and 264 13. 100 and 325 14. 252 and 80

Bonus: What is a prime number? Give an example.

Squares and Square Roots (A)

Instructions: Find the square root or square of each integer.

$$\sqrt{256} = \quad \sqrt{4} = \quad \sqrt{169} = \quad \sqrt{100} =$$

$$\sqrt{121} = \quad \sqrt{196} = \quad \sqrt{16} = \quad \sqrt{64} =$$

$$\sqrt{1} = \quad \sqrt{9} = \quad \sqrt{49} = \quad \sqrt{144} =$$

$$\sqrt{225} = \quad \sqrt{81} = \quad \sqrt{25} = \quad \sqrt{36} =$$

$$11^2 = \quad 13^2 = \quad 14^2 = \quad 10^2 =$$

$$12^2 = \quad 1^2 = \quad 15^2 = \quad 6^2 =$$

$$9^2 = \quad 3^2 = \quad 4^2 = \quad 16^2 =$$

$$8^2 = \quad 7^2 = \quad 5^2 = \quad 2^2 =$$

Squares and Square Roots (I)

Instructions: Find the square root or square of each integer.

$$\sqrt{225} = \quad \sqrt{16} = \quad \sqrt{256} = \quad \sqrt{121} =$$

$$\sqrt{49} = \quad \sqrt{36} = \quad \sqrt{64} = \quad \sqrt{81} =$$

$$\sqrt{196} = \quad \sqrt{1} = \quad \sqrt{25} = \quad \sqrt{9} =$$

$$\sqrt{4} = \quad \sqrt{100} = \quad \sqrt{169} = \quad \sqrt{144} =$$

$$6^2 = \quad 9^2 = \quad 2^2 = \quad 3^2 =$$

$$14^2 = \quad 13^2 = \quad 15^2 = \quad 4^2 =$$

$$5^2 = \quad 8^2 = \quad 7^2 = \quad 11^2 =$$

$$10^2 = \quad 1^2 = \quad 12^2 = \quad 16^2 =$$