



Halloween Math Worksheets: Grades 6-8

4 printable Halloween worksheets for Grades 6-8, each with an answer key.

#	Worksheet	Level	Skill
1	Graveyard Integers	Grades 6-8	Operations with integers
2	Costume Shop Sale	Grades 6-8	Percent discounts, tax and percent change
3	Equation Escape Room	Grades 6-8	One-step and two-step equations
4	Mystery Picture Plot	Grades 6-8	Coordinates in all four quadrants

Print

Print on US Letter or A4 with "Fit to page" turned on. Black and white works fine.

Answer keys

Every worksheet has a matching answer key, starting on page 6.

Timing

Each sheet takes about 15 to 25 minutes. The riddle and picture sheets work well for early finishers.

Sharing

Free to print and share with your class, homeschool group or family. Please link to the page instead of reselling the files.

Graveyard Integers

Grades 6-8

Add, subtract, multiply and divide. Watch the signs.

Name _____

Date _____

Part A: Compute

1. $-15 - 4 =$ _____
2. $-1 - 8 =$ _____
3. $(-9) \times (-7) =$ _____
4. $7 \times (-1) =$ _____
5. $-44 \div 11 =$ _____
6. $12 + (-11) =$ _____
7. $-15 + (-10) =$ _____
8. $(-5) \times (-5) =$ _____
9. $(-13) \times 3 =$ _____
10. $(-3) \times 9 =$ _____
11. $-7 + 1 =$ _____
12. $-81 \div (-9) =$ _____
13. $-14 + 5 =$ _____
14. $24 \div (-8) =$ _____
15. $-2 - 3 =$ _____
16. $-8 - 8 =$ _____
17. $24 \div (-4) =$ _____
18. $-8 - 6 =$ _____
19. $5 \div (-5) =$ _____
20. $4 + (-6) =$ _____

Part B: Word problems

21. At 9 PM the graveyard was 4°F . By 3 AM the temperature had dropped 9 degrees. What was the temperature at 3 AM?
Answer: _____
22. By sunrise, the temperature from problem 21 rose 4 degrees. What was the temperature at sunrise?
Answer: _____
23. A bat roosts 13 feet below the cave entrance, at -13 feet. It flies up 9 feet. Where is it now?
Answer: _____
24. A haunted elevator starts on floor 6, goes down 9 floors, then up 4 floors. Which floor is it on?
Answer: _____

Costume Shop Sale

Grades 6-8

Use percents to work out each price. Show your work in the space.

Name _____

Date _____

1. A witch costume costs \$36.00. It is 25% off. What is the sale price?
Answer: _____
2. A vampire cape was \$48.00 and is now \$30.00. What percent is the discount?
Answer: _____
3. Face paint costs \$22.50 before an 8% sales tax. What is the total?
Answer: _____
4. A mask costs \$40.00. The shop takes 20% off, then an extra 10% off the new price. What do you pay?
Answer: _____
5. Is the deal in problem 4 the same as 30% off? Explain in one sentence.
Answer: _____
6. A bag of candy cost \$4.00 last year and \$5.00 this year. What is the percent increase?
Answer: _____
7. A pumpkin patch sold 360 pumpkins. 15% were white. How many white pumpkins were sold?
Answer: _____
8. 27 of the 36 students in a class wore costumes. What percent is that?
Answer: _____

Equation Escape Room

Grades 6-8

Solve each equation for x. Find x in the code box and write its letter. The letters answer the riddle.

Name _____

Date _____

What is a vampire's favorite fruit?

-8 = C -6 = I -5 = R 1 = E 2 = T 3 = D 4 = F 7 = B 8 = A 9 = N 10 = H 11 = K

1. $-2x + 9 = 0x - 7$ $x =$ _____

2. $-3x + 9 = -18$ $x =$ _____

3. $6x + 1 = 8x - 1$ $x =$ _____

4. $2x + 12 = -4$ $x =$ _____

5. $4(x + 5) = 28$ $x =$ _____

6. $-2(x + 11) = -38$ $x =$ _____

7. $-2(x + 4) = 2$ $x =$ _____

8. $x/3 + 9 = 7$ $x =$ _____

9. $3x - 12 = 15$ $x =$ _____

10. $-2x + 11 = 0x + 9$ $x =$ _____

1 2 3 4 5 6 7 8 9 10

Mystery Picture Plot

Grades 6-8

Plot each point on the grid and connect them in order with straight lines.

Name _____

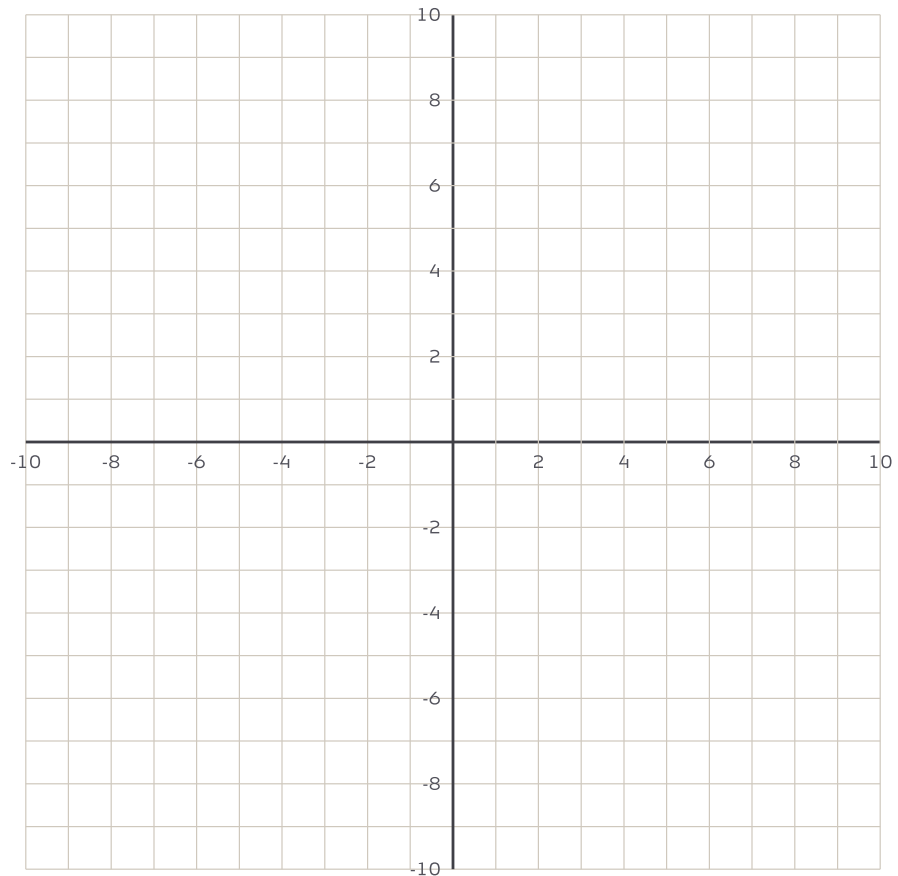
Date _____

Connect these points in order:

(0, 2) (1, 4)
(2, 2) (4, 3)
(6, 5) (9, 6)
(8, 3) (9, 1)
(7, 0) (6, -2)
(4, -1) (2, -3)
(0, -5) (-2, -3)
(-4, -1) (-6, -2)
(-7, 0) (-9, 1)
(-8, 3) (-9, 6)
(-6, 5) (-4, 3)
(-2, 2) (-1, 4)
(0, 2)

Then plot two dots for the eyes: (-1, 1) and (1, 1)

What did you draw?



Quadrant check

Pick one point from the list for each quadrant.

Quadrant I: _____

Quadrant II: _____

Quadrant III: _____

Quadrant IV: _____

Any point from the list in the right quadrant is correct. Points on an axis, like (0, 2), are not in any quadrant.

Graveyard Integers

Answer key

Grades 6-8

Add, subtract, multiply and divide. Watch the signs.

Name _____

Date _____

Part A: Compute

1. $-15 - 4 =$ **-19**
2. $-1 - 8 =$ **-9**
3. $(-9) \times (-7) =$ **63**
4. $7 \times (-1) =$ **-7**
5. $-44 \div 11 =$ **-4**
6. $12 + (-11) =$ **1**
7. $-15 + (-10) =$ **-25**
8. $(-5) \times (-5) =$ **25**
9. $(-13) \times 3 =$ **-39**
10. $(-3) \times 9 =$ **-27**
11. $-7 + 1 =$ **-6**
12. $-81 \div (-9) =$ **9**
13. $-14 + 5 =$ **-9**
14. $24 \div (-8) =$ **-3**
15. $-2 - 3 =$ **-5**
16. $-8 - 8 =$ **-16**
17. $24 \div (-4) =$ **-6**
18. $-8 - 6 =$ **-14**
19. $5 \div (-5) =$ **-1**
20. $4 + (-6) =$ **-2**

Part B: Word problems

21. At 9 PM the graveyard was 4°F . By 3 AM the temperature had dropped 9 degrees. What was the temperature at 3 AM?
Answer: **-5°F**
22. By sunrise, the temperature from problem 21 rose 4 degrees. What was the temperature at sunrise?
Answer: **-1°F**
23. A bat roosts 13 feet below the cave entrance, at -13 feet. It flies up 9 feet. Where is it now?
Answer: **-4 ft**
24. A haunted elevator starts on floor 6, goes down 9 floors, then up 4 floors. Which floor is it on?
Answer: **1**

Costume Shop Sale

Answer key

Grades 6-8

Use percents to work out each price. Show your work in the space.

Name _____

Date _____

1. A witch costume costs \$36.00. It is 25% off. What is the sale price?

Answer: \$27.00

2. A vampire cape was \$48.00 and is now \$30.00. What percent is the discount?

Answer: 37.5%

3. Face paint costs \$22.50 before an 8% sales tax. What is the total?

Answer: \$24.30

4. A mask costs \$40.00. The shop takes 20% off, then an extra 10% off the new price. What do you pay?

Answer: \$28.80

5. Is the deal in problem 4 the same as 30% off? Explain in one sentence.

Answer: 28% off in total, not 30%

6. A bag of candy cost \$4.00 last year and \$5.00 this year. What is the percent increase?

Answer: 25%

7. A pumpkin patch sold 360 pumpkins. 15% were white. How many white pumpkins were sold?

Answer: 54

8. 27 of the 36 students in a class wore costumes. What percent is that?

Answer: 75%

Equation Escape Room

Answer key

Grades 6-8

Solve each equation for x. Find x in the code box and write its letter. The letters answer the riddle.

Name _____

Date _____

What is a vampire's favorite fruit?

$-8 = C$ $-6 = I$ $-5 = R$ $1 = E$ $2 = T$ $3 = D$ $4 = F$ $7 = B$ $8 = A$ $9 = N$ $10 = H$ $11 = K$

1. $-2x + 9 = 0x - 7$ $x =$ 8 A

2. $-3x + 9 = -18$ $x =$ 9 N

3. $6x + 1 = 8x - 1$ $x =$ 1 E

4. $2x + 12 = -4$ $x =$ -8 C

5. $4(x + 5) = 28$ $x =$ 2 T

6. $-2(x + 11) = -38$ $x =$ 8 A

7. $-2(x + 4) = 2$ $x =$ -5 R

8. $x/3 + 9 = 7$ $x =$ -6 I

9. $3x - 12 = 15$ $x =$ 9 N

10. $-2x + 11 = 0x + 9$ $x =$ 1 E

A N E C T A R I N E
1 2 3 4 5 6 7 8 9 10

Mystery Picture Plot

Answer key

Grades 6-8

Plot each point on the grid and connect them in order with straight lines.

Name _____

Date _____

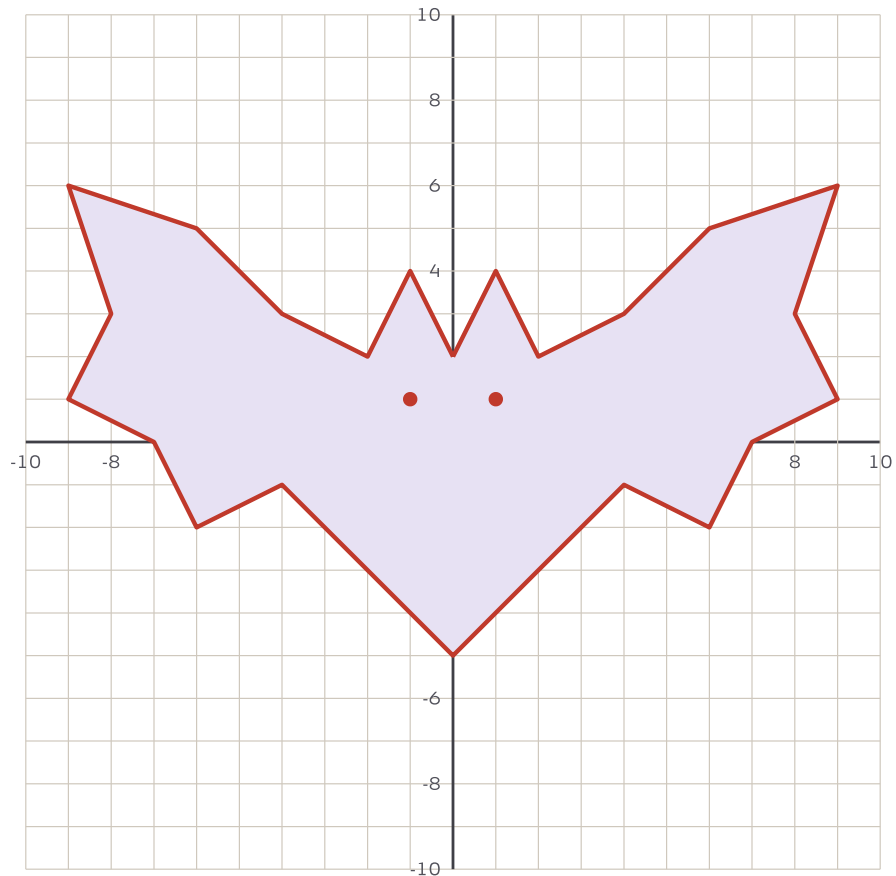
Connect these points in order:

(0, 2)	(1, 4)
(2, 2)	(4, 3)
(6, 5)	(9, 6)
(8, 3)	(9, 1)
(7, 0)	(6, -2)
(4, -1)	(2, -3)
(0, -5)	(-2, -3)
(-4, -1)	(-6, -2)
(-7, 0)	(-9, 1)
(-8, 3)	(-9, 6)
(-6, 5)	(-4, 3)
(-2, 2)	(-1, 4)
(0, 2)	

Then plot two dots for the eyes: $(-1, 1)$ and $(1, 1)$

What did you draw?

A bat



Quadrant check

Pick one point from the list for each quadrant.

Quadrant I: (2, 2)

Quadrant II: (-2, 2)

Quadrant III: (-4, -1)

Quadrant IV: (4, -1)

Any point from the list in the right quadrant is correct. Points on an axis, like $(0, 2)$, are not in any quadrant.