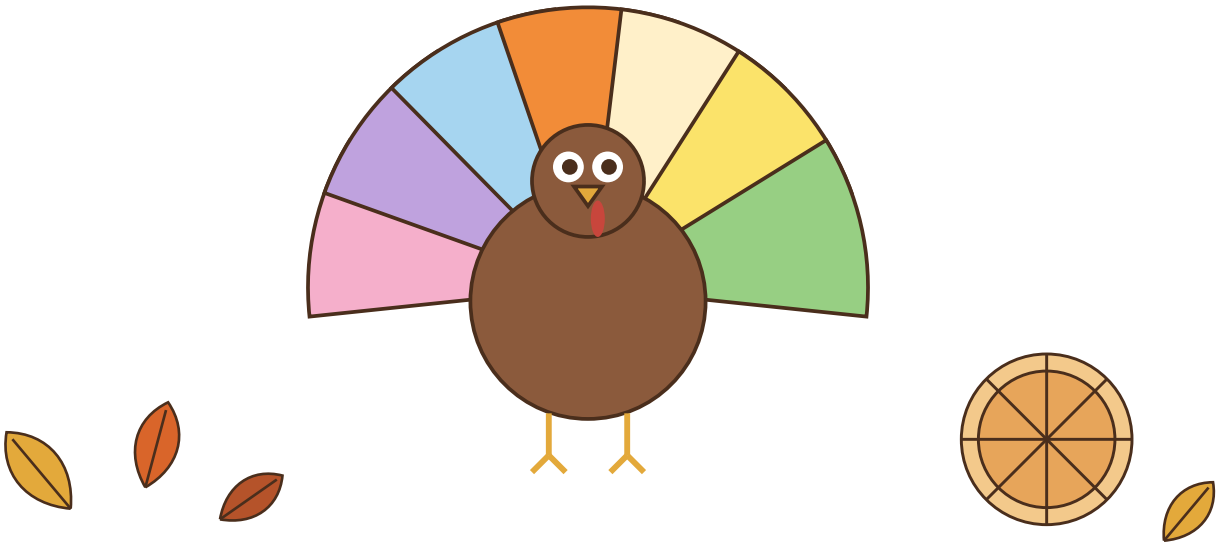
The Multiplication Hustle

Thanksgiving Math Pack

Gratitude, graphing, pie slices, and turkey word problems for kindergarten through fifth grade



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Every page prints fine in black and white. Answers are on page 12.

Grades K to 2

Name _____

The Thankful Graph

Draw or write one thing you are thankful for. Then graph the class.

Each person draws or writes one thing on a sticky note. Sort the class notes into the four groups below. Color one box for each note in that group.



1. Which group has the most notes? _____

2. Which group has the fewest notes? _____

3. How many more notes are in the tallest column than the shortest? _____

4. How many notes did the class make in all? _____

Grades 1 to 3

Name _____

Tally the Week

Count by 5s. Tally marks are skip counting in disguise.

Part 1: Count the tallies

Count the bundles by 5s. Then add the extra marks.

A 

Bundles of 5: _____ Counted by 5s: _____ Extras: _____ Total: _____

B 

Bundles of 5: _____ Counted by 5s: _____ Extras: _____ Total: _____

C 

Bundles of 5: _____ Counted by 5s: _____ Extras: _____ Total: _____

Part 2: Our class tally

Every morning, each student adds one tally mark for something they are thankful for that day. On Friday, count each day by 5s.

Day	Tally marks	Total
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Whole week		

Grades 2 to 4

Name _____

Gratitude Chain

One strip, one thing you are thankful for. Then do the math.

Write one thing on each strip, cut on the dashed lines, and loop each strip through the last one to build a chain.

I am thankful for _____

I am thankful for _____

I am thankful for _____

I am thankful for _____

I am thankful for _____

I am thankful for _____

Measure the chain

When the chain has 10 links, measure it. 10 links are about _____ inches long.

Estimate for 100 links: _____ × 10 = _____ inches

At 100 links, the chain really measures _____ inches. How close were you? _____

Grades 2 and 3

Name _____

Favorite Food Pictograph

Read the graph. Then make one for your class.

Part 1: A third grade class voted

 = 4 votes

Pie	
Turkey	
Mashed potatoes	
Stuffing	
Rolls	

1. How many students picked turkey? _____
2. How many more students picked pie than stuffing? _____
3. Which food got 10 votes? _____
4. How many students voted in all? _____
5. If 4 more students picked rolls, how many plates would the rolls row have? _____

Part 2: Our class

 = 2 votes

_____	
_____	
_____	
_____	
_____	

Write a food on each line. Draw one plate for every 2 votes, and half a plate for 1 vote.

Grades 2 and 3

Name _____

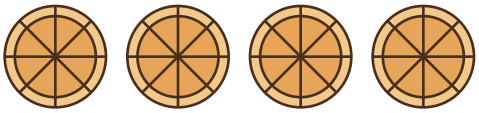
Pie Slices

Equal groups make multiplication. Count the pies and the slices.

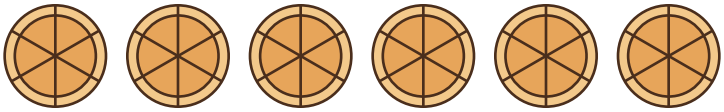
Every pie in a row is cut the same way. Write how many pies, how many slices in each pie, and how many slices in all.

A 

_____ pies × _____ slices each = _____ in all

B 

_____ pies × _____ slices each = _____ in all

C 

_____ pies × _____ slices each = _____ in all

D 

_____ pies × _____ slices each = _____ in all

E 

_____ pies × _____ slices each = _____ in all

F 

_____ pies × _____ slices each = _____ in all

Bake your own

Row C makes 36 slices. Draw pies that make 36 slices a different way. Write your fact.

Grades 3 to 5

Name _____

Turkey Word Problems

Problems 1 to 5 take one step. Problems 6 to 8 take two.

1 Nine students each draw a turkey with 6 feathers. How many feathers do they draw in all?

Answer: _____

2 Grandma bakes 7 pies and cuts each one into 8 slices. How many slices are there?

Answer: _____

3 A baking sheet holds 8 rows of rolls with 9 rolls in each row. How many rolls fit on the sheet?

Answer: _____

4 In the parade, 6 floats each carry 7 big balloons. How many balloons are there?

Answer: _____

5 There are 36 corn muffins to share equally on 4 plates. How many muffins go on each plate?

Answer: _____

6 The class needs 50 paper feathers for its turkey. Eight students each cut 6 feathers. How many more feathers does the class still need?

Answer: _____

7 Napkins come in packs of 10. You are setting 3 tables with 9 places at each one. How many packs do you need, and how many napkins are left over?

Answer: _____

8 A pumpkin pie costs $8 and an apple pie costs $7. Mom buys 3 pumpkin pies and 2 apple pies. How much does she spend?

Answer: _____

Grades 3 and 4

Name _____

Feast Shopping List

You have $100 to buy the Thanksgiving dinner.

Prices

Turkey	$24
Pie	$8
Bag of potatoes	$5
Bag of rolls	$4
Box of stuffing	$3
Jar of gravy	$3
Can of cranberry sauce	$2

Your list

Item	How many	Price each	Cost
Turkey	1		
Pie	3		
Bag of potatoes	2		
Bag of rolls	2		
Box of stuffing	3		
Cranberry sauce	4		
		Total	

1. What is the total cost of your list? _____

2. You pay with $100. How much money is left? _____

3. Which costs more in all, 1 turkey or 3 pies? _____

Oops, you forgot the gravy

You need 2 jars of gravy. Use the price list.

How much do 2 jars of gravy cost? _____

Do you still have enough money? _____

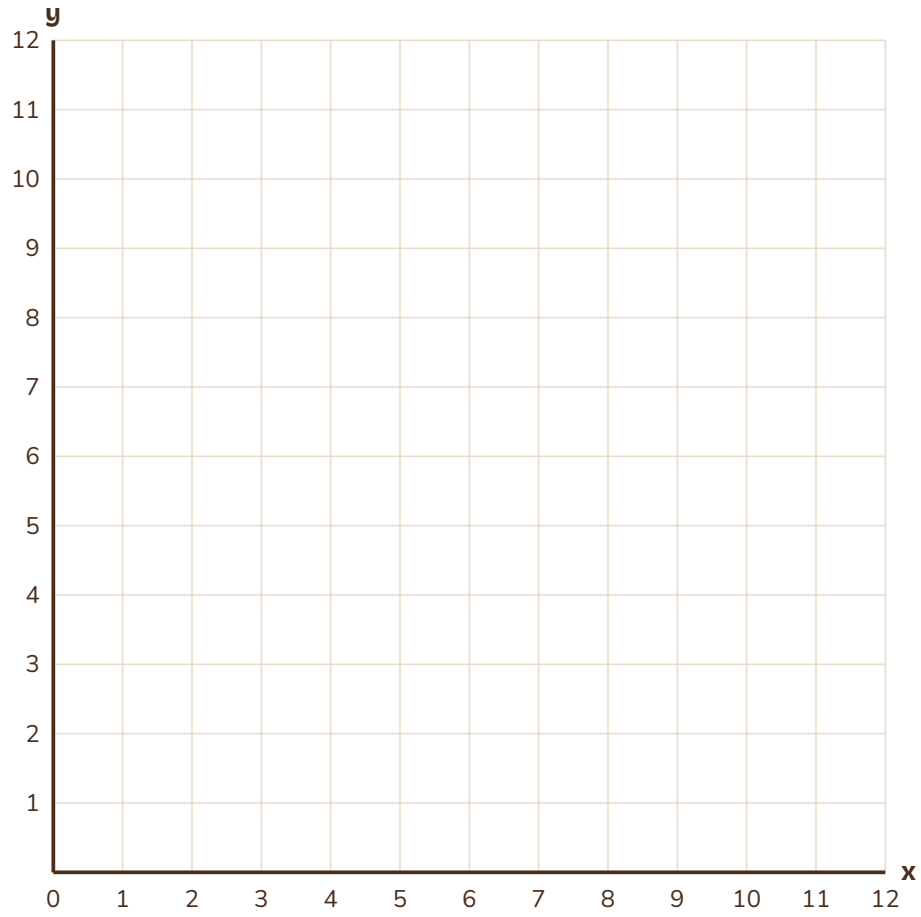
How much money is left after the gravy? _____

Grades 4 and 5

Name _____

Plot the Turkey

Plot the points. Connect them in order. Start fresh for each shape.



Tail feathers

(2, 4), (0, 6), (2, 7), (1, 10), (3, 9), (4, 12), (6, 10), (8, 12), (9, 9), (11, 10), (10, 7), (12, 6), (10, 4)

Body

(4, 1), (8, 1), (10, 3), (10, 5), (8, 7), (4, 7), (2, 5), (2, 3), (4, 1)

Head

(5, 7), (4, 8), (5, 9), (7, 9), (8, 8), (7, 7)

Left leg

(5, 1), (5, 0)

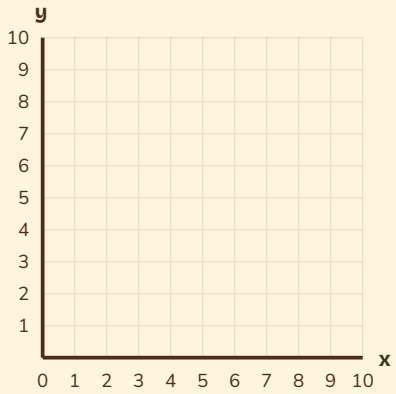
Right leg

(7, 1), (7, 0)

Last, give your turkey two eyes, a beak, and feet. Then color it.

Your turn

Draw your own turkey on the small grid using only straight lines from one grid point to another. Write its points in order on the back. Trade lists with a partner and draw each other's turkey from the points alone. If the turkeys do not match, look for an x and a y that got swapped.



Grades 3 to 5

Name _____

Turkey Trot: 36 Facts

Start at the summit with 9 × 9 and run all 36 facts.

Write each answer. Time yourself on three different days this week and watch your time drop. The order is the same as our play-along song.

1	9 × 9 = _____	13	5 × 7 = _____	25	3 × 6 = _____
2	8 × 8 = _____	14	5 × 8 = _____	26	3 × 7 = _____
3	8 × 9 = _____	15	5 × 9 = _____	27	3 × 8 = _____
4	7 × 7 = _____	16	4 × 4 = _____	28	3 × 9 = _____
5	7 × 8 = _____	17	4 × 5 = _____	29	2 × 2 = _____
6	7 × 9 = _____	18	4 × 6 = _____	30	2 × 3 = _____
7	6 × 6 = _____	19	4 × 7 = _____	31	2 × 4 = _____
8	6 × 7 = _____	20	4 × 8 = _____	32	2 × 5 = _____
9	6 × 8 = _____	21	4 × 9 = _____	33	2 × 6 = _____
10	6 × 9 = _____	22	3 × 3 = _____	34	2 × 7 = _____
11	5 × 5 = _____	23	3 × 4 = _____	35	2 × 8 = _____
12	5 × 6 = _____	24	3 × 5 = _____	36	2 × 9 = _____

My trot times

Day 1	Day 2	Day 3
Time _____	Time _____	Time _____
Right _____ of 36	Right _____ of 36	Right _____ of 36

For Grown-Ups

Why this pack starts with the hardest facts

Most multiplication practice starts with the 1s and 2s and works its way up. By the time students reach 7 × 8 and 6 × 9, the facts that give them the most trouble, the year is half over and everyone is tired. Researchers call this the problem-size effect: the bigger the numbers, the slower and less accurate students tend to be.

The Multiplication Hustle turns that around. We start at the summit with 9 × 9 and capture the whole mountain from the peak first, so the hardest facts get the most practice and the easier ones come along on the way down.

Leave out the 0s and 1s, count each turnaround pair once (8 × 6 is the same fact as 6 × 8), and 36 facts are left. Those are the 36 on the Turkey Trot page, in the same order as our play-along song.

The seven levels, from the summit down

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
9 × 9, 8 × 8, 8 × 9	7 × 7 to 7 × 9	6 × 6 to 6 × 9	5 × 5 to 5 × 9	4 × 4 to 4 × 9	3 × 3 to 3 × 9	2 × 2 to 2 × 9

Using the pack

Every page prints fine in black and white. The Thankful Graph, Tally the Week, and the Gratitude Chain are built for a whole class over the days before break. Pie Slices, the pictograph, and the word problems work as a center or a quiet morning page. Save Plot the Turkey for fourth and fifth graders who need something that feels like a puzzle.

The first four word problems use 9 × 6, 7 × 8, 8 × 9, and 6 × 7. All four come from the top three levels. That is on purpose.

Over the long weekend

Our free play-along video at multiplicationhustle.com/play-along runs all 36 facts from the summit down in about three and a half minutes. For a few minutes of practice a day, our TimeTable Express app starts at 9 × 9 too. It runs on iPhone, iPad, or Android, and it is free to try for 7 days.

Made by a former math teacher and principal for The Multiplication Hustle. Happy Thanksgiving.

Answer Key

Pages 2, 3 (Part 2), and 4 use your own class data, so those answers will vary.

Tally the Week, Part 1

A. 4 bundles, 4 × 5 = 20, plus 2 extras = 22
B. 6 bundles, 6 × 5 = 30, plus 4 extras = 34
C. 9 bundles, 9 × 5 = 45, plus 1 extras = 46

Favorite Food Pictograph

1. 12
2. 16 – 6 = 10 more
3. Mashed potatoes
4. 16 + 12 + 10 + 6 + 8 = 52
5. 8 + 4 = 12 votes, so 3 plates

Pie Slices

A. 3 × 6 = 18
B. 4 × 8 = 32
C. 6 × 6 = 36
D. 5 × 8 = 40
E. 7 × 6 = 42
F. 7 × 8 = 56
Bake your own: answers vary, such as 4 × 9 or 9 × 4.

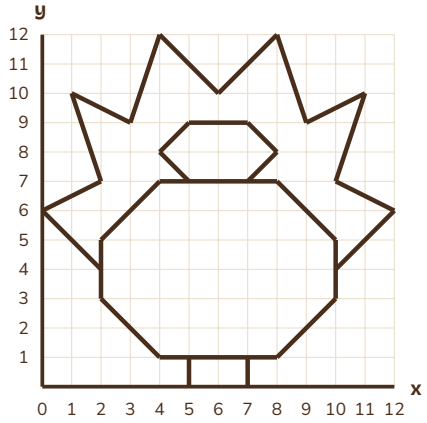
Turkey Word Problems

1. 9 × 6 = 54 feathers
2. 7 × 8 = 56 slices
3. 8 × 9 = 72 rolls
4. 6 × 7 = 42 balloons
5. 36 ÷ 4 = 9 muffins
6. 8 × 6 = 48, and 50 – 48 = 2 more
7. 3 × 9 = 27 places. 3 packs (30 napkins), 3 left over
8. 3 × $8 = $24 and 2 × $7 = $14, so $38

Feast Shopping List

Turkey: 1 × $24 = $24
Pie: 3 × $8 = $24
Bag of potatoes: 2 × $5 = $10
Bag of rolls: 2 × $4 = $8
Box of stuffing: 3 × $3 = $9
Cranberry sauce: 4 × $2 = $8
1. $83
2. $100 – $83 = $17
3. Neither. They cost the same, $24 each
Gravy: 2 × $3 = $6. Yes, there is enough. $17 – $6 = $11 left.

Plot the Turkey



Turkey Trot, in order

1. 9 × 9 = 81
2. 8 × 8 = 64
3. 8 × 9 = 72
4. 7 × 7 = 49
5. 7 × 8 = 56
6. 7 × 9 = 63
7. 6 × 6 = 36
8. 6 × 7 = 42
9. 6 × 8 = 48
10. 6 × 9 = 54
11. 5 × 5 = 25
12. 5 × 6 = 30
13. 5 × 7 = 35
14. 5 × 8 = 40
15. 5 × 9 = 45
16. 4 × 4 = 16
17. 4 × 5 = 20
18. 4 × 6 = 24
19. 4 × 7 = 28
20. 4 × 8 = 32
21. 4 × 9 = 36
22. 3 × 3 = 9
23. 3 × 4 = 12
24. 3 × 5 = 15
25. 3 × 6 = 18
26. 3 × 7 = 21
27. 3 × 8 = 24
28. 3 × 9 = 27
29. 2 × 2 = 4
30. 2 × 3 = 6
31. 2 × 4 = 8
32. 2 × 5 = 10
33. 2 × 6 = 12
34. 2 × 7 = 14
35. 2 × 8 = 16
36. 2 × 9 = 18