Week 1

Monday – Day 1

List all the factor pairs for the following numbers:

24
36
43
55
60

Practice multiplication facts for 10 minutes.

Tuesday – Day 2

Multiply 47 x 53 using two different strategies.

Practice multiplication facts for 10 minutes.

Wednesday – Day 3

Solve:

31,310 – 14,794 =
17,014 + 3,678 =
51,359 – 7,469 =
64,495 + 12,876 =
87,576 – 12,068 =
11,862 + 8,234 =
95,832 – 63,925 =

Practice multiplication facts for 10 minutes.

Thursday – Day 4

The standard distance between bases in baseball is 90 ft. How many yards is this? How many inches?

Practice multiplication facts for 10 minutes.

Friday – Day 5

Play a game!
Try "Don't Make a Triangle."

(directions included)

Practice multiplication facts for 10 minutes.

Week 2

M onday – Day 6

Mystery Number

Thousands: Multiply 3 by the number of days in a week. Subtract 12.
Ones: Add 3 to the difference between 5 and 2.
Hundreds: Add the digits in the thousands and ones places together, then divide by 5.
Tens: Multiply the number in the thousands place by 4, then divide by 6.

Practice sixes and sevens facts for 5 minutes.

Tuesday – Day 7

Charlie has 1,243 stamps. He gives away 12. His father gives him 415 more. He divides the stamps evenly among 4 albums. How many stamps does he place in each album? How many are left over?

Practice sixes and sevens facts for 5 minutes.

Wednesday – Day 8

Caroline places 5 poles (A, B, C, D, E) in order along a straight line. Poles A & D are 1 yard apart. Poles B & C are the same distance apart as poles A & B. Poles A & B are 1/5 yard apart. Poles D & E are 7/10 yard apart.

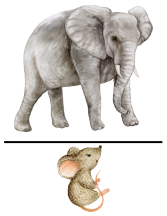
How far apart are poles B & E?

Practice sixes and sevens facts for 5 minutes.

Thursday – Day 9

Simplify these improper fractions:

10/8 =
24/6 =
15/4 =
22/10 =
100/2 =



Practice sixes and sevens facts for 5 minutes.

Friday – Day 10

Play a game!
Try "Damult Dice."

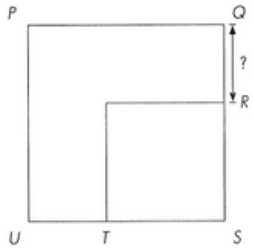
(directions included)

Practice sixes and sevens facts for 5 minutes.

Week 3

Monday – Day 11	Tuesday – Day 12	Wednesday – Day 13	Thursday – Day 14	Friday – Day 15
Solve: 94 x 67 = 827 x 61 = 625 x 29 = 944 x 38 = 216 / 3 = 432 / 8 = 5,520 / 6 = 2,828 / 7 =	Make a geometry glossary. Include definitions and sketches for the following terms: acute angle, obtuse angle, right angle, adjacent angles, equilateral, isosceles, scalene, square, rectangle, rhombus, trapezoid, and parallelogram. Feel free to include even more!	The tank at a gas station contained 400 gallons of gas. A tanker truck that contained 8,100 gallons of gas filled the station's tank. After that the tanker truck had 4 times as much gas as the station's tank. How much gas did the tanker truck put into the station's tank?	Categorize all of the shoes in your house by type (e.g. boots, sneakers, sandals). Make a graph that shows your data. 	Play a game! Try Set. You can play online at www.setgame.com/setgame/puzzle
Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.

Week 4

Monday – Day 16	Tuesday – Day 17	Wednesday – Day 18	Thursday – Day 19	Friday – Day 20
Mystery Number Find a 2-digit number less than 50 that fits these clues. • It is divisible by 4. • When 4 is added to it, it is divisible by 5. Now write clues for your own mystery number and give them to an adult to solve!	The figure is made up of 2 squares, 1 with 10-inch sides and the other with 6-inch sides. Find the length of QR. 	Solve: 1/5 + 2/5 = 3/8 + 4/8 = 5/12 + 8/12 = 7/10 – 1/10 = 8/9 – 2/9 = 8/12 – 4/12 = *4/5 + 3/5 – 1 =	Order each set of decimals from greatest to least. • 3.04 3.4 0.34 • 0.6 0.61 0.65 • 4.36 43.6 4 • 2.02 2.23 22.1 • 0.1 1.01 0.01	Play any game that involves counting, money, or strategy. (e.g. Uno, Qwirkle, Trouble, Sequence, chess, war, etc.)
Practice fours and eights facts for 5 minutes.	Practice fours and eights facts for 5 minutes.	Practice fours and eights facts for 5 minutes.	Practice fours and eights facts for 5 minutes.	Practice fours and eights facts for 5 minutes.

Week 5

Monday - Day 21	Tuesday - Day 22	Wednesday - Day 23	Thursday - Day 24	Friday - Day 25
Solve: 939 / 6 = 125 x 14 = 154 / 4 = 417 x 32 = 328 / 3 = 724 x 27 = 409 / 8 = 332 x 11 =	A pole is painted white and red. The white part is 0.75 m long and the red part is 1.45 m longer. What is the length of the pole? Try drawing/making a scale model of this pole.	Measure the length of 10 different objects in your room. Make a line plot that shows your data. How much longer is the longest object than the shortest object? 	The perimeter of a rectangle is 54 feet. Find all possible combinations of its length and width. *How will you know when you have all of them?*	Play a game! Try Multiplication Table Tic-Tac-Toe. (directions included)
Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.

Week 6

Monday - Day 26	Tuesday - Day 27	Wednesday - Day 28	Thursday - Day 29	Friday - Day 30
A rectangle is divided into 3 equal squares. The area of the rectangle is 147 square yards. Find its length and width. 	Use >, <, or = to compare these fractions. 4/6 ___ 5/6 2/2 ___ 1/2 1/3 ___ 1/4 5/8 ___ 5/6 3/4 ___ 6/8 8/8 ___ 3/3	 On the opening day at a toy store, every third customer gets a ball and every fourth customer gets a stuffed animal. Sixty people come to the store. How many people get each toy?	Write 3 different situations that can be represented by the expression 5 x 12.	Play a game! Try 21 (AKA Blackjack).
Practice sixes and sevens facts for 5 minutes.	Practice sixes and sevens facts for 5 minutes.	Practice sixes and sevens facts for 5 minutes.	Practice sixes and sevens facts for 5 minutes.	Practice sixes and sevens facts for 5 minutes.

Week 5

Monday – Day 31	Tuesday – Day 32	Wednesday – Day 33	Thursday – Day 34	Friday – Day 35
Round each number to the nearest 100. 57,309 89,648 36,712 92,765 206,579 75,296 the product of 85 and 6.	Find an analog (not digital) clock. Write down the time at least five different times today. 	List all of the prime numbers less than 100. *How will you know when you have them all?*	Solve: 5 x 1/10 = 3 x 1/5 = 4 x 2/8 = 7 x 3/9 = 2 x 3/4 = 2/7 x 7 = *1 ½ x 4 =	Play a math facts game. Flip cards and multiply, roll dice and multiply, use flashcards, etc.
Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.	Practice multiplication facts for 10 minutes.

Week 6

Monday – Day 36	Tuesday – Day 37	Wednesday – Day 38	Thursday – Day 39	Friday – Day 40
Mystery Number Thousands: The number of right angles in a rectangle. Hundreds: Multiply the number of sides a quadrilateral has and the number of angles in a triangle. Subtract 7. Tens: Double the digit in the thousands place and subtract 4. Ones: The only even prime number.	Write these fractions as decimals. 43/100 5/10 12/100 3/50 1 ½ *6/12 *1 1/2	List all of the factors of 56 and all of the factors of 42. Find all of the common factors. What is the greatest common factor?	Solve: 7,026 – 3,478 = 465 x 17 = 6,008 – 4,804 = 739 x 86 = 5,000 – 2,136 = 390 x 28 =	Play a game... your choice!
Practice any weak facts for 5 minutes.	Practice any weak facts for 5 minutes.	Practice any weak facts for 5 minutes.	Practice any weak facts for 5 minutes.	Practice any weak facts for 5 minutes.

Don’t Make a Triangle

Materials: triangle boards, markers/colored pencils
Players: 2

Directions:
1. Each player chooses a color.

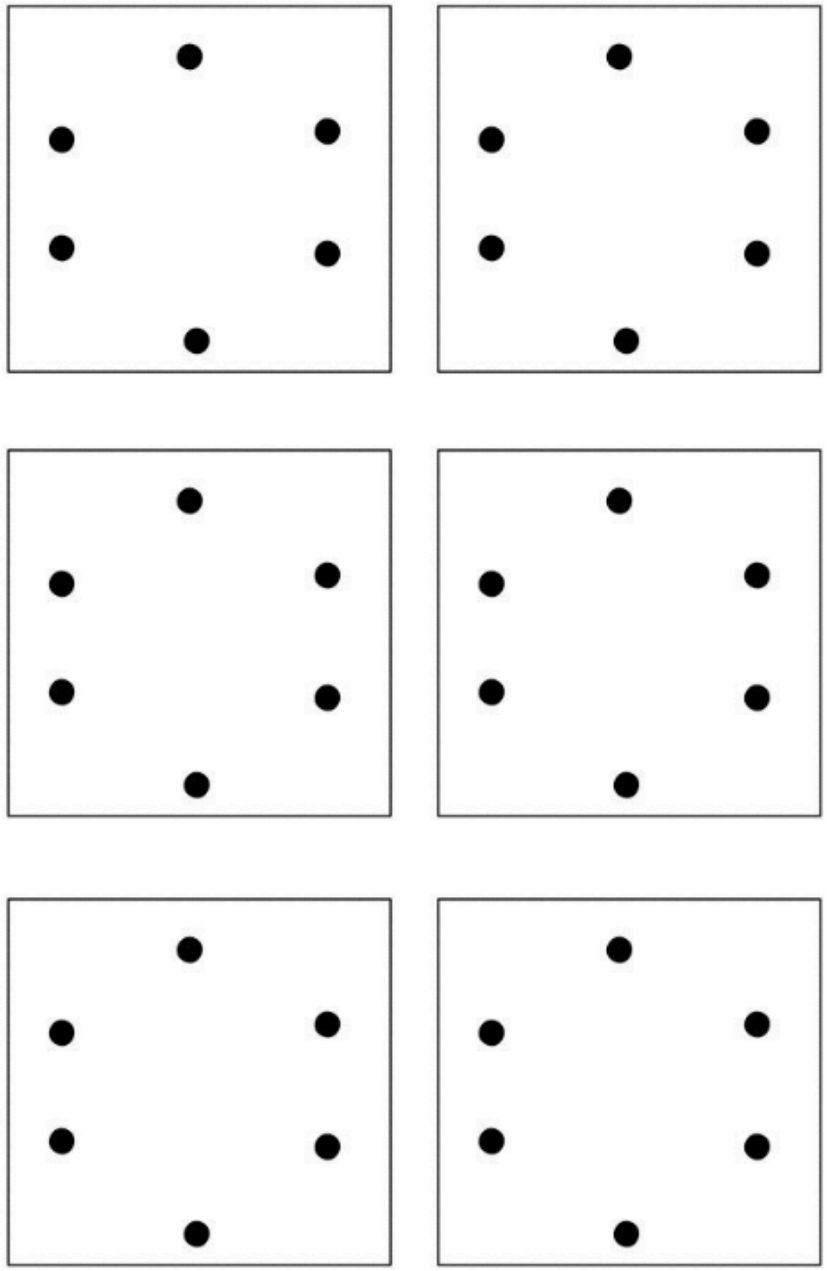
2. On your turn, connect two dots.

3. If a player creates a triangle in his/her color that touches three of the six starting dots, he/she loses.

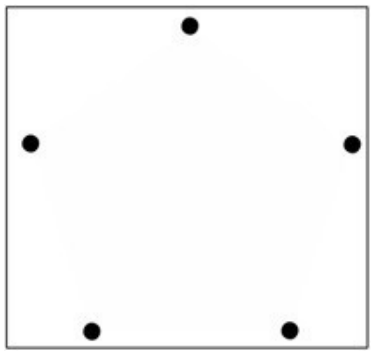
Remember:

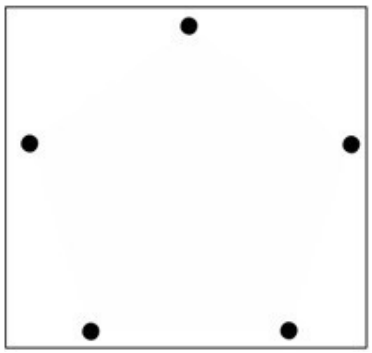
- The only triangles you are trying to avoid are those with all three vertices (corners) on the original dots.
- A losing triangle must have all three sides colored a single color.
- You can start with the five-dot version of the game.

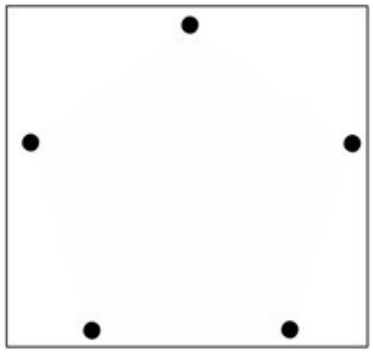
Don’t Make a Triangle

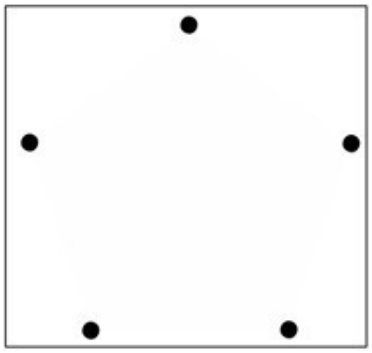


Don’t Make a Triangle









Damult Dice

Materials: 3 dice
Players: 2-4 (fewer is usually better)

Directions:

1. Roll three dice. Add two and multiply by the third. Try to get the highest score. Example: you roll 3, 5, 6. You can add 6 + 3 to get 9, then multiply by 5 for a score of 45. But you can add 3 + 5 to get 8, then multiply by 6 for a score of 48 instead. 48 is the better move!

2. Keep score. The first player to reach 300 wins.

Variations:

- Instead of adding two dice, make a 2-digit number before multiplying by the third. Example: you roll 3, 4, 2. Make 32, then multiply by 4 for a total of 128.
- Roll four dice instead of three. Add three dice and multiply by the fourth.

Multiplication Table Tic-Tac-Toe

Materials: game boards, 2 paper clips (different colors), counters (2 different colors)
Players: 2

Directions:
1. Each player chooses a color for his/her paperclip and counters.

2. Player 1 places a paperclip on one of the numbers below the multiplication table. Player 2 does the same, then places a counter on the product of the two numbers covered by the paper clips.

3. On each turn, players move only their paper clips to a new number, multiply the two numbers, and cover the product with one of their counters.

4. The winner is the first player to get three in a row horizontally, vertically, or diagonally.

Variation:
- Try playing four-in-a-row to win.

Multiplication Table Tic-Tac-Toe

16	20	24	28	32	36
20	25	30	35	40	45
24	30	36	42	48	54
28	35	42	49	56	63
32	40	48	56	64	72
36	45	54	63	72	81

4 5 6 7 8 9