

**PLYMOUTH PUBLIC SCHOOLS
PRESENTS**

2024 SUMMER MATH FUN



GOING INTO GRADE

3



Dear Student and Family,

You have learned so much in math this year! It is important to keep practicing your mathematical knowledge during the summer to be ready to enter your next grade. In this packet you will find math daily activities that will help you review and maintain math skills learned throughout the past year.

Summer Math Fun has been made as a calendar for the months of July and August. All you have to do is follow the daily calendar and complete the activities. Do your best to complete as many of the activities as you can and have your family help you too!

Feel free to go online to find websites that can be used to practice your math skills, especially math facts.

Each day of the week has a different theme!

Monday - Multi-Step Monday!

Tuesday- True Life Math Tuesday

Wednesday- What's My Place Value Wednesday?

Thursday- Two and Three Digit Thursday

Friday - Fluency Friday

Turn in your packets on the First Day of School for a prize!

Enjoy your summer and keep your skills sharp!




Going into Grade 3 Summer Math Fun July 2024

Multi-Step Monday	True Life Tuesday	What's My Value Wednesday?	Two and Three Digit Thursday	Fluency Friday
--------------------------	--------------------------	-----------------------------------	-------------------------------------	-----------------------

1 See Packet	2 Estimate the length of your pillow in inches. Measure it. How long is it?	3 Write this number in expanded form: 568 _ + _ + _	4 Solve the following equations. Did you have to regroup? 43 + 35 = 62 - 57 =	5 Solve the addition problems on the page dated July 5th.
8 See Packet	9 Keep track of how many butterflies you see in one day. Use tally marks to keep track.	10 Write these numbers in order from least to greatest. 983, 72, 390, 184 _, _, _, _	11 Solve the following equations. Did you have to regroup? 37 + 25 = 89 - 43 =	12 Write the fact family for 13,5,8. _ + _ = _ _ + _ = _ _ - _ = _ _ - _ = _
15 See Packet	16 Write the digital time for half-past three. _ : _	17 Write the number that has 5 tens and 4 ones. _____	18 Solve the following equations. Did you have to regroup? 74 + 19 = 66 - 41 =	19 Solve the subtraction facts on the page dated July 19th.
22 See Packet	23 Find all the stuffed animals in your house. How many can you hold in your arms without dropping any? Try it.	24 Write the number that has 6 tens and 14 ones. _____	25 Solve the following equations. Did you have to regroup? 23 + 62 = 41 - 15 =	26 Solve these mixed facts: 14 + 5 = ____ 6 + 9 = ____ 19 - 3 = ____ ____ = 9 + 5 17 - 12 = ____ 4 + 9 = ____ ____ = 7 - 5 11 + 5 = ____
29 See Packet	30 Look around your house. Name all the 2 dimensional shapes you can see. How many shapes?	31 Write this number in standard form: Eight hundred nineteen _____		



Going into Grade 3
Summer Math Fun
August 2024

Multi-Step Monday	True Life Tuesday	What's My Value Wednesday?	Two and Three Digit Thursday	Fluency Friday
			1 Solve the following equations. Did you have to regroup? $17 + 45 =$ $83 - 37 =$	2 Solve the doubles addition facts on the page dated August 3rd.
5 See Packet	6 If a candy bar costs 87 cents and you paid for it with \$1.00, how much change would you get?	7 Using tens and ones, write two ways to make this number: 38 ___ tens ___ ones ___ tens ___ ones	8 Solve the following equations. Did you have to regroup? $53 + 22 =$ $75 - 53 =$	9 Solve the doubles subtraction facts on the page dated August 9th.
12 See Packet	13 Walk with an adult. Estimate how long it will take you to walk the perimeter of your yard. Try it. How long did it take?	14 Draw a model of this number: 346	15 Solve the following equations. Did you have to regroup? $43 + 27 =$ $93 - 49 =$	16 Solve the following problems: $8 + 3 + 8 = \underline{\quad}$ $5 + \underline{\quad} + 3 = 11$ $12 = \underline{\quad} + 7 + 1$ $10 + 4 + 5 = \underline{\quad}$
19 See Packet	20 Find two of each 3-dimensional shape: Cylinders Cubes Spheres Prisms	21 How many 10's make 100? _____ How many 100's make 1,000? _____	22 Solve the following equations. Did you have to regroup? $32 + 51 =$ $47 - 13 =$	23 Write the fact family for 9, 18, 9. $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
26 				

Multi-Step Monday!
Show your work!

July 1, 2024

- One street has 34 houses. Another street has 28 houses.
A third street has 16 houses. How many houses are there in all?
Use any strategy. Show your work and explain.

July 8, 2024

Write an equation to solve each part of the two-step problem.

There are 34 people on a bus. At city hall, 15 people get off the bus. Then 6 more people get on the bus. How many people are on the bus now?

____ ○ ____ = ____

____ ○ ____ = ____

Now there are _____ people on the bus.

July 15, 2024

A. There are 49 green grapes and 12 red grapes in a bowl. Marco eats 24 of the grapes. How many grapes are left in the bowl?

- (A) 25 (C) 37
(B) 27 (D) 43

B. Marco gives 10 grapes to his friend. Which equation shows how many grapes are in the bowl now?

- (A) $12 - 10 = 2$
(B) $37 - 12 = 25$
(C) $37 - 10 = 27$
(D) $49 + 12 = 61$

July 22, 2024

Tim needs 87 beads for a school project.
He buys 34 beads at the store.
His sister gives him 29 beads.
How many more beads does Tim need?

Write equations to solve.
Then write the answer.

_____ ○ _____ = _____
_____ ○ _____ = _____
Tim needs _____ more beads.

July 29, 2024

- . Margo has 72 marbles.
19 of the marbles are red.
27 of the marbles are blue.
The rest of the marbles
are white.
How many of the marbles
are white?

- (A) 26 (C) 46
(B) 45 (D) 53

August 5, 2024

- Ella has 58 stickers. James
has 9 fewer stickers than
Ella. James gives 5 of his
stickers to his brother.
How many stickers does
James have now?

- (A) 14 (C) 49
(B) 44 (D) 53

August 12, 2024

Lamar is 50 inches tall. Jack is 3 inches taller than Lamar. Keiko is 5 inches shorter than Jack. How tall is Keiko?

42 inches

Ⓐ

48 inches

Ⓑ

52 inches

Ⓒ

58 inches

Ⓓ

August 19, 2024

A pet store has 58 goldfish. The store also has 23 sunfish. 7 fish are sold. How many fish are **NOT** sold?

Ⓐ 88

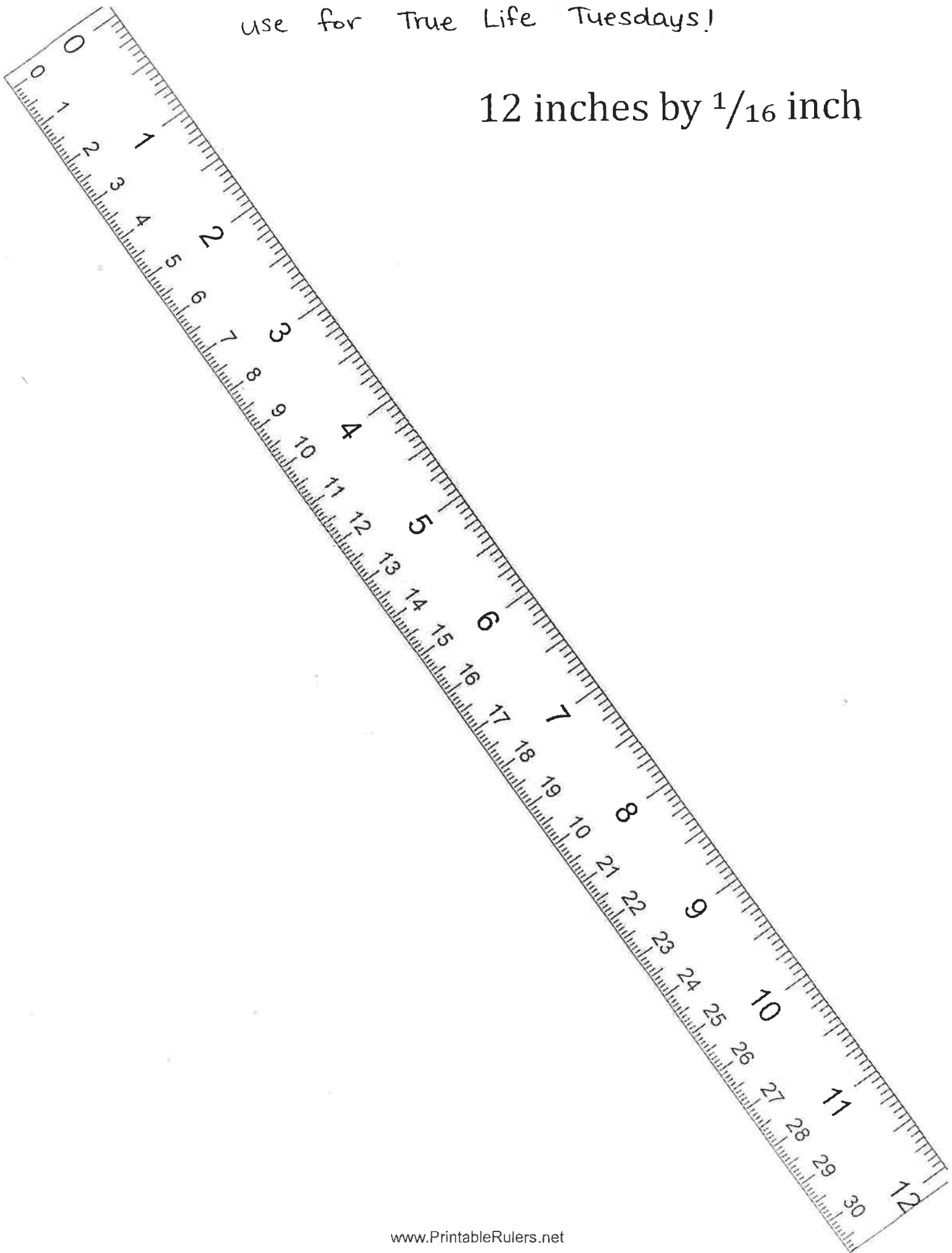
Ⓒ 74

Ⓑ 75

Ⓓ 28

use for True Life Tuesdays!

12 inches by $\frac{1}{16}$ inch



Name _____ Date July 5th

+10 Math Facts

1	0	10	4	10
<u>+ 10</u>	<u>+ 10</u>	<u>+ 5</u>	<u>+ 10</u>	<u>+ 8</u>

2	10	10	3	9
<u>+ 10</u>	<u>+ 7</u>	<u>+ 6</u>	<u>+ 10</u>	<u>+ 10</u>

Name _____ Date July 19th

10's Subtraction Math Facts #2

11	19	15	14	18
<u>- 1</u>	<u>- 9</u>	<u>- 5</u>	<u>- 4</u>	<u>- 8</u>

12	17	16	13	19
<u>- 2</u>	<u>- 7</u>	<u>- 6</u>	<u>- 3</u>	<u>- 9</u>

Name _____

Date _____

August 3rd

Doubles Addition and Subtraction Math Facts

1	10	5	4	8
<u>+1</u>	<u>+10</u>	<u>+5</u>	<u>+4</u>	<u>+8</u>

2	7	6	3	9
<u>+2</u>	<u>+7</u>	<u>+6</u>	<u>+3</u>	<u>+9</u>

8	16	2	20	10
<u>-4</u>	<u>-8</u>	<u>-1</u>	<u>-10</u>	<u>-5</u>

August 9th

6	18	4	14	12
<u>-3</u>	<u>-9</u>	<u>-2</u>	<u>-7</u>	<u>-6</u>

Addition Sprints

Number of Players: Unlimited

A player is given a set comprising 13 well-shuffled cards numbered 0 – 12 (i.e., $\frac{1}{4}$ of the deck). The player holds the set of cards facedown. As quickly as possible with due regard to accuracy, the player plays one card of the set at a time face up and states the sum of 0 and the face up number. When the player has played each card of the set, the player picks up the set of cards and repeats the prior step for each number from 1 – 12. For any sum incorrectly stated by the player, the player is informed of the error and must correct the error before playing the next card. The speed at which the player goes through all the numbers from 0 – 12 is measured and noted by any person competent in addition. This process is repeated for each player.

The player with the fastest time wins.

Addition High Hurdles

Number of Players: Unlimited

A player is given one well-shuffled deck minus the jokers. The player holds the deck facedown. As quickly as possible with due regard to accuracy, the player plays two cards at a time face up and states the sum of the two face up numbers. For any sum incorrectly stated by the player, the player is informed of the error and must correct the error before playing the next two cards. The speed at which the player goes through the entire deck is measured and noted by any person competent in addition. This process is repeated for each player.

The player with the fastest time wins.

Subtraction Olympics

Number of Players: 2

A player deals the deck of playing cards (minus the jokers) facedown evenly between the players. The players keep their cards facedown in their respective piles. Each player plays two cards face up from the top of the player's pile and subtracts the lower face up number from the higher face up number on his or her two cards to obtain a difference. The player who obtains the smaller difference takes all the cards played that round. If both players obtains the same difference, neither player takes the cards played that round and those cards form a pot that goes to the player who first wins a subsequent round.

After all the cards have been played one time, the player who has the most cards wins.

Zero

Number of Players: 2 – 4

The object of the game is to have the difference between numbers displayed on a player's cards be as close as possible to, but not less than, 0. Using one well-shuffled deck minus the jokers, the dealer deals each player one card facedown and then deals each player one card face up. Each player looks at his or her hand and determines whether to request another card. Play proceeds clockwise or counterclockwise starting with the player to one side of the dealer. The lower face up number on the two initially dealt cards is subtracted from the higher face up number and the face up number on each subsequently dealt card is subtracted from the difference resulting from the prior subtraction operation. The dealer deals each additional card requested by a player face up. The face up cards always remain face up on the table.

The player whose cards yield a 0 difference or the number closest to 0 wins. There is one exception to the foregoing rule, namely, if a player accumulates 5 cards whose difference is more than or equal to 0, that player has "5 Card Charlie" and ties any player having a lower difference equal to or greater than 0 and beats any player having the same difference.

Subtraction Hurdle

Number of Players: Unlimited

A player is given one well-shuffled deck minus the jokers. The player holds the deck facedown. A baseline number is stated and, as quickly as possible with due regard to accuracy, the player plays one card at a time face up, subtracts the smaller of the baseline and face up numbers from the larger of the baseline and face up numbers, and states their difference. For any difference incorrectly stated by the player, the player is informed of the error and must correct the error before playing the next card. The speed at which the player goes through the entire deck is measured and noted by any person competent in subtraction. This process is repeated for each player.

The player with the fastest time wins.

Subtraction Sprint

Number of Players: Unlimited

A player is given a set comprising 13 well-shuffled cards numbered 0 – 12 (i.e., $\frac{1}{4}$ of the deck). The player holds the set of cards facedown. As quickly as possible with due regard to accuracy, the player plays one card of the set at a time face up, subtracts 0 from the face up number, and states their difference. When the player has played each card of the set, the player picks up the set of cards and repeats the prior step for each number from 1 – 12, always subtracting the smaller of the two numbers from the larger of the two numbers. For any difference incorrectly stated by the player, the player is informed of the error and must correct the error before playing the next card. The speed at which the player goes through all the numbers from 0 – 12 is measured and noted by any person competent in subtraction. This process is repeated for each player. The player with the fastest time wins.