



Getting Ready for Third Grade!

The following summer math activities will enable your child to review math concepts and reinforce skills learned this year. Just a few minutes each day spent “thinking and talking math” will help reinforce the math that has been learned and begin to bridge the foundation for extending to the concepts that will be developed next year. The goal is for your child to have fun thinking and working collaboratively to communicate mathematical ideas. While your child is working, discuss the math concept being reinforced.

DOs and DON'Ts For Helping at Home

DO:

- Expect your child to work hard and be good at math.
- Ask “How did you get that?” “Can you show me another way to do that?” “Remember how you did ____, see if you can use that same strategy.”
- Encourage your child to stick with a task even if it seems challenging.
- If you see signs of frustration, suggest leaving the problem for a day or two and returning to it with fresh perspective at another point.
- Listen carefully to how your child is thinking about math.

DON'T:

- Try not to tell your child how to figure something out; he or she will learn much more by figuring it out for him or herself. You can always say, “Show me how you figured that out.” Then wait, listen and say, “Oh, that’s great. Here’s how I might figure it out. How are our strategies the same?”

DO ASK – DON'T TELL

You can ask great questions without telling your child what to do!

In the beginning....

What do you know?

What do you need to find out? How might you begin?

What should you do first?

While working....

How can you organize your information?

Can you make a drawing to explain your thinking?

What would happen if...?

What do you need to do next?

Do you see any patterns? Any relationships?

Can you predict....?

Does this remind you of any other problems you've done?

Reflecting on Solutions...

Is your solution reasonable?

How did you arrive at your answer?

Can you convince me that your solution makes sense? What did you try that didn't work?

Responding...

Your response is as important as your initial question. Continue to discuss problems even after children have their answer. This will give your child a chance to clarify thinking and make more connections.

You can ask:

How do you know that your answer makes sense?

Do you know another way to solve this?

Do you think there is more than one answer? How could we find out?

*We hope that you will enjoy the activities, extend them, create new ones and **have fun!***

August 1st-9th- Review challenging activities and log onto Mathletics for extra practice

August 12th-23rd- Relax and prepare to return to school by:

- practicing counting from 1 to 300, forwards and backwards
- adding and subtracting numbers within 100, with and without regrouping
- naming 2D & 3D shapes you see all around you
- any other enjoyable math activities you've done this summer!

Download the [24 Game App](#) for extra basic facts practice!!!

	Sunday	Monday	Tuesday	Wednesday	Thursday	
	JUNE					1
2	3 Write all the addition facts that equal 10.	4 How many different ways can you cut a sandwich to show fourths?	5 Set out 4 bowls. Put 5 objects in each bowl. Write an addition sentence to show how many objects are in the 4 bowls.	6 Skip count by 2s, 5s, and 10s to 100. Write each pattern on your paper.	7 One way to make 12 is $8 + 4$. Write 4 other addition facts for 12.	8
9	10 Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat and other. Make a tally chart to explain your findings. Use words to summarize the tally chart.	11 Go on a Shape Hunt around your house! Look for items shaped like a square, rectangle, and triangle. Draw and label the items.	12 Using the numbers 63, 18, 30, 49, Which two numbers would you add to get the greatest sum? Add them together. Which two numbers would you add to get the smallest sum? Add them together.	13 What number is one more than 87? What number is one less than 87? What is 10 more than 87? What is 10 less than 87? What is 100 more than 87?	14 Ahmed swims in the pool from 1:10 p.m. to 1:45 p.m. Draw a clock to show the time at which he began to swim. How long did he stay in the pool?	15
16	17 Find many different coins (dirhams). Sort the coins into groups of the same kind. What is the value of each group?	18 Draw a picture of the windows in your house. Describe their shape. Are they partitioned (divided/cut) into equal shares? If so, how are they partitioned?	19 Susan emptied her pockets. To her surprise she found 1 QR, two 50 dirham coins, and one 25 dirham coin. How much money does she have? Draw a picture to justify your answer.	20 What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. BONUS! How many hours did you sleep?	21 Create a timeline for yesterday beginning at the time at which you woke up and ending at the time you went to bed. Include at least 8 events on your timeline.	22

23	24 Using dirham coins, show 2 ways to make 50, 60, and 75.	25 Create 5 different ways to show 25QR.	26 Solve the problems below. Then write a story problem to match the equations: $18 + 26 =$ $29 + 17 =$	27 Write the missing numbers on the lines below to continue the patterns: 12, 15, 18, ____, ____, ____ 8, 12, 16, ____, ____, ____	28 Write these numbers from least to greatest: 7, 49, 3, 98, 59, 22	29
30						

	<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	
JULY						
	1 Find a place outside where you can observe creatures. Watch for 10 minutes. Record what you see. Create a bar graph to show your data.	2 Fold a piece of paper in half 2 times. Open it. How many rectangles? Now fold it in half again. How many rectangles? Fold it again. How many rectangles?	3 Use dirham coins to count back the change you would get if you bought candy for 48 dirhams and paid with 1 QR.	4 Write the addition and subtraction fact families for the following sets of numbers: 3, 5, and 8 23, 9, and 14	5 Write down the years each person in your house was born. Order the numbers from least to greatest.	6
7	8 Sami went to the store and bought three toys. Each toy cost 5QR. How much money did her three toys cost?	9 Draw a picture to show equal shares of fourths. Then, draw a picture to show equal shares of thirds.	10 What is the value of the number in the tens place in each number? 63, 783, 419, 578	11 A small pack of gums has 5 pieces. How many pieces of gum will I have if I bought 3 packs? 5 packs? 8 packs? Explain your thinking.	12 The movie starts at five minutes after 11. Write the time the movie starts. Draw a clock to show the correct time. Where is the minute hand?	13
14	15 Jessica spent 3 QR and 50 dirhams on a milk shake. She gave the cashier 5 QR. How much change will she get back?	16 2 groups of 2 = 2 groups of 3 = 2 groups of 4 = 2 groups of 5 = 2 groups of 6 = Continue to 2 groups of 10. What strategy did you use?	17 What math tool would be best for measuring the length of a: a. Book b. Car c. Shoe d. Height of a door	18 Today's number is 74. Add 2 numbers to get the sum of 74. Subtract 2 numbers to get the difference of 74.	19 Use symbols (<, =, >) to compare the number sentences: 578 ____ 396 390 ____ 387 975 ____ 759	20
21	22 Next year our school will have six hundred thirty nine students. Write the number in standard form and expanded form. Can you count by 10s from this number ending at 699?	23 Draw a rectangle. Partition the rectangle into 3 rows and 4 columns.	24 My special machine adds 5 to each new number. What numbers comes out of my machine if I put in a: 12?, 19?, 46?, 8??	25 Ask three people their phone number. Write down each number. Whose phone number has the highest value?	26 Write the number four hundred thirty-three. Skip count by 10s starting at this number to 493.	27
28	29 Name three activities you did yesterday. What time did you do each activity? Draw a picture of each activity and write a.m. or p.m. for each activity.	30 I am thinking of an odd number. It is greater than 33 and less than 40. You say it when you skip count by 5s. What number am I?	31 How many times can you fold a piece of paper in half? Predict and try. Try it with 4 different sizes of paper. Can you make the same number of folds with all sizes?			