



දෙසතියක ඇරඹුම

2018.08.01 - 2018.08.15

අධ්‍යාපන අමාත්‍යාංශයේ එක් එක් ශාඛා මගින් පැවැත්වීමට නියමිත උත්සව හා විශේෂ වැඩසටහන්

### ගණිත ශාඛාව

අගෝස්තු 01 - 02

ජාතික ගණිත තරඟාවලිය සඳහා ප්‍රශ්න බැංකුව සකස් කිරීම මිසේ අධ්‍යාපන නායකත්ව සංවර්ධන හා කළමනාකරන පුහුණු ආයතනයේදී පැවැත්වේ.



### ගණිත ශාඛාව

අගෝස්තු 01 - 03

IMSO ජාතික පුහුණු වැඩසටහන ගණිත තරඟාවලිය සඳහා ප්‍රශ්න බැංකුව සකස් කිරීම මිසේ අධ්‍යාපන නායකත්ව සංවර්ධන හා කළමනාකරන පුහුණු ආයතනයේදී පැවැත්වේ.

### ගණිත ශාඛාව

අගෝස්තු 04

STEM ක්‍රියාකාරකම් අධ්‍යාපනික වැඩසටහන කැගල්ලේදී පැවැත්වේ.

### ගණිත ශාඛාව

අගෝස්තු 07 -18

ආසියානු සංවර්ධන බැංකුවේ තාක්ෂණික සහායෙන් ගණිත අධ්‍යයනය පිළිබඳ සිදුකරනු ලබන අධ්‍යයනය කැලණිය විශ්ව විද්‍යාලයේදී පැවැත්වේ.

### පරිගණක ජාල මෙහෙයුම් ඒකකය

අගෝස්තු 09 - 14

ජාතික මට්ටමේ පරිගණක දෘඩාංග හා ජාලකරණ නඩත්තු වැඩසටහන පළාත් මට්ටමින් පැවැත්වේ.

### ගණිත ශාඛාව

අගෝස්තු 13 - 17

IMSO ජාතික පුහුණු වැඩසටහන මිසේ අධ්‍යාපන නායකත්ව සංවර්ධන හා කළමනාකරන පුහුණු ආයතනයේදී පැවැත්වේ.



අගෝස්තු 16

වාණිජ හා ව්‍යාපාර අධ්‍යයන ශාඛාවේ 2019 වර්ෂයේ වාර්ෂික සැලැස්ම සංශෝධනය කිරීමේ හා සකස් කිරීමේ වැඩමුළුව පැවැත්වීම ඉදිකිරීම් යන්ත්‍රෝපකරණ පුහුණු මධ්‍යස්ථානයේදී පැවැත්වේ.

### වාණිජ හා ව්‍යාපාර අධ්‍යයන ශාඛාව

අගෝස්තු 17

අ.පො.ස. (සා.පෙළ) ව්‍යාපාර හා ගිණුම්කරණ අධ්‍යයන විෂයය හා ව්‍යවසායකත්ව අධ්‍යයන විෂයය සඳහා පෙරහුරු ප්‍රශ්න පත්‍ර සකස් කිරීම අධ්‍යාපන අමාත්‍යාංශයේදී පැවැත්වේ.



### ගණිත ශාඛාව

අගෝස්තු 23 - 25

අ.පො.ස. (සා.පෙළ) ගණිත සාධන මට්ටම ඉහළ නැංවීමේ ගණිත කඳවුර පිලියන්දල බුද්ධසෝම විද්‍යාලයේදී පැවැත්වේ.

### ගණිත ශාඛාව

අගෝස්තු 27 - 28

බහුතල ඉගෙනුම්/ඉගැන්වීම් ක්‍රියාවලිය හඳුන්වාදීමේ නියමු වැඩසටහන වාරියපොළ වයඹ පුහුණු මධ්‍යස්ථානයේදී පැවැත්වේ.

### පාසල් කටයුතු ශාඛාව

අගෝස්තු 30 - 31

වතු පසල් සිසුන්ගේ ප්‍රාථමික අධ්‍යාපනය ඉහළ නැංවීම සඳහා (බස්නාහිර/වයඹ) ප්‍රාථමික ගුරුභවතුන්ගේ දෙදින වැඩමුළුව තලාහේන ප්‍රජා අධ්‍යාපන මධ්‍යස්ථානයේදී පැවැත්වේ.

# ඉංග්‍රීසි හා විදේශ භාෂා ශාඛාව

## අගෝස්තු 28

නිලධාරීන් සඳහා සමස්ත ලංකා මට්ටමේ සම්මන්ත්‍රණය අතිරේක ලේකම් අධ්‍යාපන ගුණාත්මක සංවර්ධනයේ ප්‍රධානත්වයෙන් ජාතික අධ්‍යාපන ආයතනයේදී පැවැත්වේ.



## ගණිත ශාඛාව

## අගෝස්තු 30 - 31

ක්‍රියාකාරකම් පාදක ගණිත උපකරණ කට්ටල හඳුනාගැනීමේ වැඩසටහන පැලවත්ත ඉදිකිරීම් යන්ත්‍රෝපකරණ පුහුණු මධ්‍යස්ථානයේදී පැවැත්වේ.

### LENGTH OF A RAFTER

The diagram shows the side elevation of a barn, the length is 4 m and the topmost point of the roof is at a height of 1.5 m from the top of the wall. In the diagram, ABC is a right-angled triangle.

You can easily apply Pythagoras' Theorem to calculate the length of a rafter of the roof.

AB is the hypotenuse of the right-angled triangle ABC.  
So,  $AB^2 = 2^2 + 1.5^2$   
 $= 4 + 2.25$   
 $= 6.25$   
 $AB = 2.5$  m

**Length of rafter = 2.5 m**

**Now do it yourself!**

- Calculate the area of each of the squares marked x.

**Pythagorean Triples**  
The numbers 3, 4, 5 satisfy the rule.

$3^2 + 4^2 = 5^2$   
So, the simplest right-angled sides of integer length is

Other examples are  
(5, 12, 13), (7, 24, 25), (8, 15, 17), (9, 40, 41), (11, 60, 61), (13, 84, 85), (16, 30, 34), (20, 21, 29), (28, 45, 53), (33, 56, 65), (36, 77, 85), (39, 96, 105), (48, 63, 81), (65, 72, 97), (84, 91, 107), (87, 140, 161), (96, 108, 144), (119, 120, 169), (120, 359, 361), (133, 176, 205), (160, 177, 241), (192, 225, 289), (210, 280, 350), (240, 252, 338), (252, 270, 366), (273, 364, 455), (288, 324, 432), (345, 360, 507), (350, 384, 518), (384, 405, 549), (396, 420, 564), (420, 441, 597), (441, 468, 639), (468, 504, 675), (504, 525, 705), (525, 560, 745), (560, 594, 805), (594, 621, 843), (621, 656, 895), (656, 684, 933), (684, 720, 972), (720, 756, 1020), (756, 792, 1068), (792, 828, 1116), (828, 864, 1164), (864, 900, 1212), (900, 936, 1260), (936, 972, 1308), (972, 1008, 1356), (1008, 1044, 1404), (1044, 1080, 1452), (1080, 1116, 1500), (1116, 1152, 1548), (1152, 1188, 1596), (1188, 1224, 1644), (1224, 1260, 1692), (1260, 1296, 1740), (1296, 1332, 1788), (1332, 1368, 1836), (1368, 1404, 1884), (1404, 1440, 1932), (1440, 1476, 1980), (1476, 1512, 2028), (1512, 1548, 2076), (1548, 1584, 2124), (1584, 1620, 2172), (1620, 1656, 2220), (1656, 1692, 2268), (1692, 1728, 2316), (1728, 1764, 2364), (1764, 1800, 2412), (1800, 1836, 2460), (1836, 1872, 2508), (1872, 1908, 2556), (1908, 1944, 2604), (1944, 1980, 2652), (1980, 2016, 2700), (2016, 2052, 2748), (2052, 2088, 2796), (2088, 2124, 2844), (2124, 2160, 2892), (2160, 2196, 2940), (2196, 2232, 2988), (2232, 2268, 3036), (2268, 2304, 3084), (2304, 2340, 3132), (2340, 2376, 3180), (2376, 2412, 3228), (2412, 2448, 3276), (2448, 2484, 3324), (2484, 2520, 3372), (2520, 2556, 3420), (2556, 2592, 3468), (2592, 2628, 3516), (2628, 2664, 3564), (2664, 2700, 3612), (2700, 2736, 3660), (2736, 2772, 3708), (2772, 2808, 3756), (2808, 2844, 3804), (2844, 2880, 3852), (2880, 2916, 3900), (2916, 2952, 3948), (2952, 2988, 4000), (2988, 3024, 4056), (3024, 3060, 4104), (3060, 3096, 4152), (3096, 3132, 4200), (3132, 3168, 4248), (3168, 3204, 4300), (3204, 3240, 4356), (3240, 3276, 4404), (3276, 3312, 4452), (3312, 3348, 4500), (3348, 3384, 4556), (3384, 3420, 4604), (3420, 3456, 4652), (3456, 3492, 4700), (3492, 3528, 4756), (3528, 3564, 4804), (3564, 3600, 4852), (3600, 3636, 4900), (3636, 3672, 4956), (3672, 3708, 5004), (3708, 3744, 5052), (3744, 3780, 5100), (3780, 3816, 5156), (3816, 3852, 5204), (3852, 3888, 5252), (3888, 3924, 5300), (3924, 3960, 5356), (3960, 3996, 5404), (3996, 4032, 5452), (4032, 4068, 5500), (4068, 4104, 5556), (4104, 4140, 5604), (4140, 4176, 5652), (4176, 4212, 5700), (4212, 4248, 5756), (4248, 4284, 5804), (4284, 4320, 5852), (4320, 4356, 5900), (4356, 4392, 5956), (4392, 4428, 6004), (4428, 4464, 6052), (4464, 4500, 6100), (4500, 4536, 6156), (4536, 4572, 6204), (4572, 4608, 6252), (4608, 4644, 6300), (4644, 4680, 6356), (4680, 4716, 6404), (4716, 4752, 6452), (4752, 4788, 6500), (4788, 4824, 6556), (4824, 4860, 6604), (4860, 4896, 6652), (4896, 4932, 6700), (4932, 4968, 6756), (4968, 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