

# Maths

Activity 1 & 2 – Watch the videos on timetables. Then answer the questions below.

Maths Skills Practise:

## JUNE MATHS MASTERS

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 What number is represented here: MCCXII?	2 What is double 357? Can you work it out 2 ways?	3 What is 765,551 rounded to the nearest 1000?	4 Is $43 \times 10$ the same as $4300 \div 100$ ? Why?	5 If $x - 57 = 35 + 76$ , what is the value of $x$ ?	6 What's missing in this sequence: 3, 6, 10, 15, __, 28. How do you know?	7 What is 13,563 rounded to the nearest 100? What is the rule?
8 How many degrees in a complete turn?	9 What is $10.7 - 4.9$ ? How did you work it out?	10 If $y = 37$ , what is the value of $x$ in ' $y + 67 = x$ '?	11 One third of a number is 59, what was the number?	12 Which number is bigger: 267676 or 276767? Describe how you know.	13 Calculate $4 \times 17 + 4$ .	14 List all the prime numbers between 30 and 60.
15 $(6 \times 5) + 6 = 30$ . Is this right? Why?	16 What is three and two thirds plus two thirds?	17 What is $10 \times 13$ ? What other calculations would give you the same answer?	18 What is $4.04 + 2.07 + 9$ ?	19 Put these numbers in descending order: 7543, 3457, 7453, 4753, 5743.	20 How many grams in 4.7kg? How do you know?	21 What time is 22:05 in words? Can you draw it on a clock face?
22 What is today's date in Roman Numerals?	23 What are the properties of a triangular prism? Can you draw one?	24 How many ml in 5.43l?	25 Which fraction is bigger: $\frac{3}{5}$ or $\frac{40}{100}$ ? How do you know?	26 Can you draw a regular and an irregular hexagon?	27 Jake says, "If $y+7=5$ , then $y$ must be 2." Is he right? How do you know?	28 What is $14.3 - 1.7 + 5.2$ ?
29 Joshua says, "the area of my shape is 32cm so the perimeter must be 24cm". Do you agree?	30 <b>TRICKY QUESTION:</b> How many minutes in a normal school week?	<p><b>Have fun doing a Maths question a day!</b>  <b>Challenge yourself to talk to the people at home and show off what you know!</b></p>				

## JULY MATHS MASTERS

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<p><b>Have fun doing a Maths question a day!</b></p>		1 If $3x = 255$ what is the value of $x$ ? How did you work out the answer?	2 Partition 1345 in 3 different ways.	3 Put these numbers in ascending order: 1453, 3541, 1454, 1353, 3514.	4 What's missing in this sequence: 3, 7, 15, 31, __. How do you know?	5 If $y = 0.7$ , what is the value of $x$ in ' $5y = x$ '?
6 What is 2020 in Roman Numerals?	7 What is the product of 1, 50 and 7? What does product mean?	8 What are the properties of a square based pyramid? Can you draw one?	9 Two thirds of a number is 102, what was the number?	10 What is 7,489 rounded to the nearest 10? Nearest 100?	11 Calculate $5 \times 18 - 6$ .	12 Which number is smaller: 45731 or 45137? Describe how you know.
13 $19 + 6 \times 5 = 125$ . Is this right? Why?	14 Describe the angles in a scalene and isosceles triangle.	15 What is $9 \times 50$ ? What other calculations give you the same answer?	16 What is $5.03 + 9 + 0.56$ ?	17 What time is 13:15 in words? Can you draw it on a clock face?	18 Is 0.5kg the same as 50g? How do you know?	19 List all the square numbers less than 100.
20 What is four and a third subtract three quarters?	21 Jake says, "The area of rectangles is always less than their perimeters." Do you agree? Why?	22 How many ml in 6.04 litres?	23 Which fraction is smaller: $\frac{1}{3}$ or $\frac{9}{12}$ ? How do you know?	24 Can you draw a regular and an irregular heptagon?	25 What is $(4 \times 7) - (3 \times 2)$ ?	26 What number is represented here: MMDLI?
27 What is the largest amount of money you can have with only 3 coins?	28 What is 765,551 rounded to the nearest 1000?	29 How does $34 \times 10$ help you calculate $3.4 \times 10$ ? What else can you work out?	30 What is half 964? Can you work it out 2 ways?	31 <b>TRICKY QUESTION:</b> How many hours in the month of July?	<p><b>Challenge yourself to talk to the people at home and show off what you know!</b></p>	

Reasoning & Problem Solving

Try any of the challenges on this website:

<http://www.iseemaths.com/lessons56/>

Activity 1

Answer the questions about the holiday activity timetable.

Twinkl Holiday Camp			
Activity	Red Group	Blue Group	Green Group
Crazy golf	09:00	09:10	
Go-karting		09:40	09:30
Snack and rest	10:35	10:20	10:15
Mountain biking	11:00		10:35
Beach barbecue	12:40	12:00	12:05
Mini tennis		12:45	
Snack and rest	14:25	14:05	14:25
Trampolining	14:45		14:40
Home time	15:25	15:10	15:20



- 1) Use this information to fill in the gaps in the timetable:
- Green Group will play crazy golf for 25 minutes.
  - Red Group will play crazy golf for 35 minutes.
  - Blue Group's morning snack and rest lasts for half an hour.
  - Red Group will be at the beach barbecue for 45 minutes.
  - Green Group will play mini tennis for 1 hour and 25 minutes.
  - Blue Group will do trampolining for 40 minutes.

- 2) For how many minutes in total will Green Group do crazy golf and trampolining?

\_\_\_\_\_

- 4) Which group has the longest morning snack and rest time?

\_\_\_\_\_

- 6) Which group has the longest day of activities timetabled?

\_\_\_\_\_

- 3) For how many minutes longer will Green Group play mini tennis than Red Group?

\_\_\_\_\_

- 5) Which group has the shortest afternoon snack and rest time?

\_\_\_\_\_

- 7) Which activity are Red Group doing for 100 minutes?

\_\_\_\_\_

## Activity 2

TV Guide							
<b>Channel 1</b>	16:00 Tom and Henry	16:10 Whizz Bang	16:25 Funny Bones	16:45 Brainbusters	17:15 Weather Forecast	17:25 Tick Tock	17:40 Joking Around
<b>Channel 2</b>	16:00 Exploring the Wild	? Crazy Race	16:35 Today's News	16:50 Danger Dog	17:00 Eyes on the Past	17:20 Ha, Ha!	17:35 Sports Mix-Up
<b>Channel 3</b>	16:00 Around the World	16:20 Hungry Harry	16:30 Download Now	16:45 Weather Forecast	16:55 Practical Pranksters	17:15 Alan and the Chinchillas	17:30 Beat the Teacher
<b>Channel 4</b>	16:00 Dolly the Duck	16:10 Amazing Impressions	16:30 Incredible Insects	16:50 Sports Round-Up	17:05 Wheel of Questions	17:25 News and Weather Forecast	17:40 Chuckles

How many minutes long is Sports Round-Up on Channel 4?

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Which two programmes on Channel 3 are 20 minutes long?

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Which programme is shorter – Whizz Bang or Dolly the Duck?

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Exploring the Wild lasts for 15 minutes. What time does Crazy Race start?

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If you started watching Channel 2 five minutes into Exploring the Wild and changed channels halfway through Eyes on the Past, for how many minutes would you have watched Channel 2? Explain your reasoning.

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