Westerton Primary School
Maths Home Learning Parent Guide – Second Level 2.2

Counting

Count in powers of 10.

One hundred = 10 x 10 = 10^2
One thousand = 10 x 10 x 10 = 10^3
How would you write one million?

Count forwards and backwards with positive and negative whole numbers, including through zero.

Continue the number sequence:

-15   -10   -5   ☐   ☐

95   75   55   ☐   15   -5   ☐

Addition and Subtraction

Add and subtract whole and decimal numbers of more than 4 digits with regrouping (using the column method).

Use formal written methods to complete:

8000 - 4680 =   806050 - 314783 =

$$\overset{4\;\;\;12\;\;13\;\;\;1}{5346}$$
2747
2599

Fractions

Read, write and compare fractions and percentages.

Sort these fractions:

$\frac{6}{10}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{6}$

☐ ☐ ☐ ☐
smallest   largest

Know the percentage equivalent of:

$\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$

25% = $\frac{25}{100}$ = ☐

☐ = $\frac{38}{100}$ = ☐

Add and subtract proper fractions with denominators that are multiples.

Complete the fraction calculations:

$\frac{1}{3} + \frac{2}{6} = \frac{☐}{6}$ $+ \frac{2}{6} = \frac{☐}{6}$

$\frac{8}{9} - \frac{10}{18} = \frac{6}{9}$ $- \frac{☐}{9} = \frac{☐}{9}$

Place Value

Read, write, compare and order 6-digit numbers (knowing value of each digit).

Order these numbers:

328,164   328,614   328,416

☐   ☐   ☐
smallest   largest

Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

What number do these Roman numerals represent?

XXXIII = ☐

LXXVI = ☐

Multiplication and Division

Identify factors and multiples, finding all factor pairs and common factors.

Write two more factor pairs for 40:   Write four common factors of 36 and 48:

1 x 40   ☐   ☐   ☐   ☐   ☐   ☐

Solve multiplication and division word problems using factors, multiples, squares and cubes.

Know and use prime numbers, prime factors and non-prime numbers (composite numbers).

Sort the numbers:

6   3   16   23   17   54   84   97

PRIME	COMPOSITE (NON-PRIME)

Ways to help your child:

- Look out for Roman numerals on clocks and read the time.
- Read the Roman numeral dates at the end of BBC programmes.
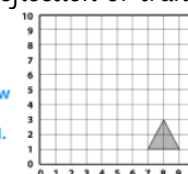- Take numbers and rearrange these into the biggest/smallest numbers that you can.

Ways to help your child:

- Practise recall of prime numbers
- Give your child a number and ask them to give you all the factor pairs for that number.
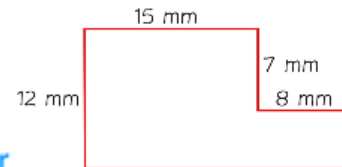
Position and Direction

Identify, describe and represent the position of a shape following a reflection or translation.

Translate this triangle 3 units left and 6 units up. Draw the new triangle location on the grid.

Measurement

Measure and calculate the perimeter and area of regular and irregular shapes using cm squared.

15 mm
7 mm
12 mm
8 mm

Calculate the perimeter

Money

Solve problems involving converting money and calculating change.

Bobby has saved £6.47 in his piggy bank. His brother, Sam, has saved 6 times as much.

How much more money does Sam have than Bobby?

Time

Solve time problems involving converting units of time, crossing from minutes to hours, involving days, weeks, months and years.

Lizzie started a sponsored walk at 10:20 am and finished at 4:30 pm.

How long did she walk for?

Convert the following units of time:

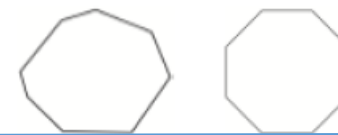6 minutes = ☐ seconds   6 years 4 months = ☐ months   5 hours 40 minutes = ☐ minutes

Shape

Draw given angles and measure them in degrees.

Use a protractor to measure these angles

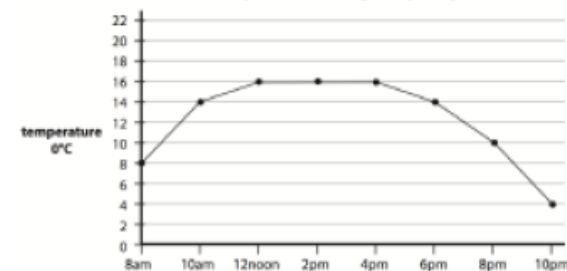Distinguish between regular and irregular polygons.

What are the differences between these regular and irregular octagons?

Statistics

Complete, read and interpret information in tables, including timetables.

Temperature during a day in April

Read the graph and answer these questions:

What was the temperature at 3pm?

What do you think the temperature will be at midnight?

When was the sharpest rise in the temperature?

Ways to help your child:

- Look at a TV guide. How long are two shows on for? If a film starts at 18.00 and lasts for an hour and ¾, what time will it finish?
- Combine journey times e.g. bus (25 mins) and walking (45mins) How long is that?

Ways to help your child:

- Look at BBC sport pages, read and analyse the data. What does the data tell you?