Measurement

Convert between different units of measure (mm to cm to m to km, ml to l, g to kg)

In a can there is approximately _____ of lemonade.

Circle the best answer

30 litres 3 litres 0.3 litres

Money

Add and subtract amounts of money to give change

In one piggy bank, there was £8.72. In another piggy bank, there was £5.76.

How much money was in both piggy banks?

Time

Read, write and convert time between analogue and digital 12 and 24 hour clocks

Time	Digital 12 hour clock time	Digital 24 hour clock time
quarter past 2 in the afternoon	**2:15 pm**	**14:15**
half past 8 in the morning		
twenty five past 11 in the morning		

Ways to help your child

- Measure quantities. How much liquid does a cup hold? What would you use to weigh a banana? g or kg why?
- Help them learn measurement facts, how many g in a kg, ml in a l, mm in a cm, cm in a m, m in a km.
- Teach them time facts such as the number of seconds in a minute, minutes in an hour, hours in a day, days in a week, weeks in a year, months in a year.

Shape

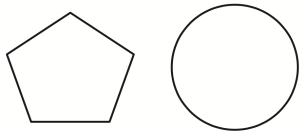
Compare and classify shapes based on their properties

Match the shape to the descriptions

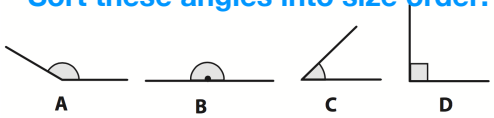
right angled triangle	a 3D shape with 2 circular faces and 1 rectangular, curved face.
rectangle	a 3 sided shape with one right angle
cylinder	a 3D shape with one curved face like a ball
sphere	a 2D shape with 2 pairs of opposite equal sides and 4 equal angles

Identify lines of symmetry and compare angles

Draw one line of symmetry on these shapes:



Sort these angles into size order:



Statistics

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

	Bus A	Bus B	Bus C
Amber Alley	08:30	08:45	09:00
Silver Street	09:05	09:20	09:35
Red Road	09:20	09:35	09:50

You need to meet your mum on Red Road by 9:40.

Which bus should you catch from Silver street?

Ways to help your child

- Read and discuss graphs and timetables.

Year 4 Fundamentals of Mathematics

Before children leave Year 4 they should be able to…

PRIMARY ADVANTAGE
SCHOOLS ACHIEVING MORE TOGETHER

Counting

Count in sixes, sevens, nines, twenty fives and thousands both forwards and backwards (including negative numbers)

Complete these sequences:

9 0 -9 -18 ☐ ☐

4000 3000 ☐ 1000 ☐ -1000

Count in hundredths and recognise that hundredths arise when dividing 1 digit numbers by 100

Continue counting in hundredths:

1.57 1.58 ☐ ☐

Place Value

Read, write, compare and order numbers up to ten thousand (knowing value of each digit)

Order these numbers

1423 1234 1324 1342

☐ ☐ ☐ ☐

smallest largest

Round to nearest ten, hundred, thousand and decimals (1 decimal place) to nearest whole.

Dwayne weighed out 2067 grams of sand on his weighing scales.

To the nearest thousand, how many grams was this?

Ways to help your child

- Count forwards and backwards with different intervals (including decimals, fractions, tenths and hundredths)
- Practise rounding up and down when weighing/measuring.
- Estimate before counting.

Addition and Subtraction

Add and subtract up to ten thousand with regrouping (using the column method)

Artek collected 3056 leaves into a recycling bin in the playground. The wind blew 178 leaves out of the bin. Artek then collected another 264 leaves into the bin.

How many leaves were in the bin then?

Add and subtract nearest multiple of ten, one hundred or one thousand and adjust

Mr Print, the newsagent, has 56 newspapers to sell. He sells 37 newspapers to customers. Another 48 newspapers are delivered to the shop.

How many newspapers are in the shop now?

Multiplication and Division

Rapid recall of multiplication and division facts to 12 x 12

Complete these:

11 x 11 = ☐ 120 ÷ 12 = ☐

132 ÷ 11 = ☐ 9 x 12 = ☐

Use short multiplication and division methods

Use a written method to complete the following.

616 x 8 = 85 ÷ 7 =

Ways to help your child

- Help them to have rapid recall of all times tables - this is crucial for them to be able to complete more complex calculations.
- Add up numbers on car registrations, the first person to get ten even totals is the winner.
- In the shops look at multipacks - ask questions like 'if we buy twelve packs of eight bags, how many bags will we have altogether?'

Fractions

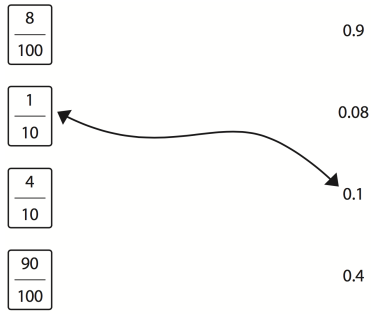
Add and subtract fractions with the same denominator

Complete these fraction sums:

$\frac{4}{18} + \frac{3}{18} = \frac{\square}{18}$ $\frac{14}{19} - \frac{6}{19} = \frac{\square}{19}$

Recognise and show equivalent fractions (including decimal equivalences)

Match the fractions to their decimal equivalent, the first one has been completed.

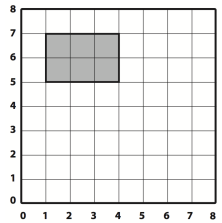


Position and Direction

Describe movements between positions as translations

Can this rectangle be translated to these coordinates?

(4,3) (7,3) (4,4) (7,4)

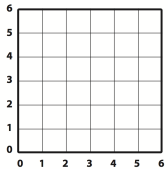


Plot polygons using coordinates given

Plot these coordinates:

(2,1) (5,3) (5,5) (1,4)

What is the shape?



Ways to help your child

- Play Battleships.