

Year 2 Maths Facts to Memorise

Time

- 60 minutes in a hour
- 30 minutes in half an hour
- 7 days in a week
- Names and order of the days of the week
- Names and order of the months of the year
- Convert 12 hour 'analogue' times to digital, e.g. 3 o'clock = 3.00, half past 10 = 10.30
- If secure with the hour and half hour move on to quarter past and then quarter to the hour

Example questions:

What is the fourth month?

What is the month before June?

What time is it now?

How many minutes in half an hour?

What is 6 o'clock in digital time?

If I go swimming at 3 o'clock and stay in the pool for an hour/half an hour, what time do I get out?

Number

Say if any number to 100 is odd or even. Give a number which is odd/even between, e.g. 32 and 45.

Count up to **and back** from 100 in ones and tens. When secure count on **and back** in tens from any given number, e.g. **42**: 52, 62, 72, 82, 92, 102.

Partition 2-digit numbers into tens and units, e.g. $24 = 20 + 4$ and $30 + 2 = 32$. When secure move on to partitioning 3-digit numbers, e.g. $347 = 300 + 40 + 7$.

Doubling: start with doubling numbers to 10. Move on to doubling 2-digit numbers, using partitioning, where the units digit is below 5, e.g. double 24 by doubling 20 to get 40, then double 4 to get 8, then add 40 and 8. When secure children can double numbers where the units digit is above 4.

Halving: I know that double 11 is 22, so I know that half 22 is 11.

Know number bonds to 10, e.g. $3+7=10$, $6+4=10$, $8+2=10$, etc.

Know number bonds to 100, e.g. $10+90=100$, $50+50=100$, etc.

Know number bonds to 20 e.g. $17+3=20$, $11+9=20$, etc.

Know 2s, 3s, 5s and 10 times tables both in and out of order. When these are learned pupils should move on to learn 4s, 6s, 7s, 8s, 9s, 11s and 12 times tables in that order.

Vocab

Know all the following mathematical signs and be able to do the correct calculation when alternative terms are used.

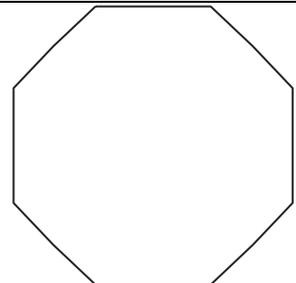
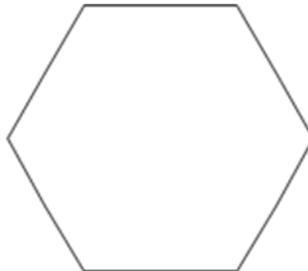
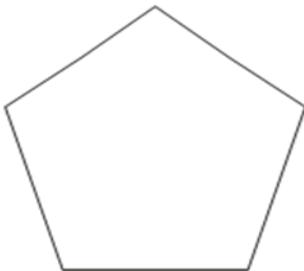
- + add, plus, and, total, altogether
- minus, take away, subtract, find the difference, less than, fewer than
- X times, multiply, lots of, groups of
- ÷ divide, share, put in groups of, halve
- = equals, makes, is the same as, totals

Example questions:

- What is the **total** of 7 and 3?
- Freddie has 10 pencils, Amy has 4 pencils. How many **fewer** pencils does Amy have than Freddie?
- What is 2 **multiplied** by 10?
- There are 30 children in Year 2. Mr Lester wants to put them into **groups of** 10. How many groups can he make?
- Amy has 3 information books and 2 story books. What is the **total** number of books she has altogether?

2D Shapes

Name and recognise all the 2d shapes from Year 1 and recognise the regular and irregular forms of the following polygons. Spot these shapes in the environment.



pentagon (5 sides, 5 corners)

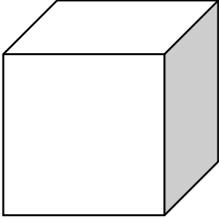
hexagon (6 sides, 6 corners)

octagon (8 sides, 8 corners)

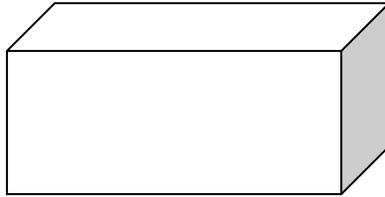
3D shapes

Name and recognise the following 3d shapes and give their properties (number of faces, edges and vertices (corners)). Be able to recognise these shapes in the environment (e.g. a tin of baked beans and a tin of tuna are both cylinders).

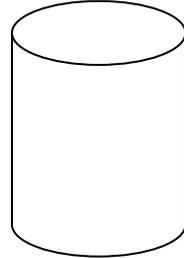
cube



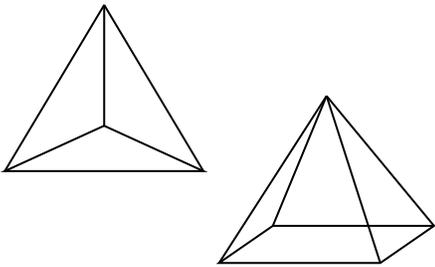
cuboid



cylinder



Triangular and square based pyramids



Sphere



Cone

