

## YEAR 5 HOMEWORK- MATHS FACTS

**THESE ARE FACTS YOUR CHILD SHOULD KNOW OFF BY HEART – WITHOUT EVEN THINKING ABOUT THEM!**

### **1. All tables facts up to 12X12**

### **2. Number bonds to 100** e.g. if you say 23 they can answer 77 immediately

For decimals to 10 if you say 5.3 they answer 4.7

For decimals to 1 you say 0.67 they answer 0.33 and

To 1000 you say 650 they say 350

### **3. All doubles up to 20** e.g. double 9 = 18 double 13 = 26

### **4. All doubles of multiples of 5 under 200** e.g. double 15= 30, double 75 = 150, double 55 =110

### **5. All halves under 50** e.g. half 34 = 17 half 16=8

### **6. All square numbers under 100**

$$2 \times 2 = 4$$

$$6 \times 6 = 36$$

$$3 \times 3 = 9$$

$$7 \times 7 = 49$$

$$4 \times 4 = 16$$

$$8 \times 8 = 64$$

$$5 \times 5 = 25$$

$$9 \times 9 = 81$$

### **7. Facts about angles**

A right angle is 90.

Angles in a triangle and on a straight line add up to 180.

Angles around a point add up to 360

## 8. Number of sides for polygons

| Name of polygon | Number of sides |
|-----------------|-----------------|
| triangle        | 3               |
| quadrilateral   | 4               |
| pentagon        | 5               |
| Hexagon         | 6               |
| heptagon        | 7               |
| octagon         | 8               |
| nonagon         | 9               |
| decagon         | 10              |

## 9. Fraction, decimal, percentage equivalents

$$25\% = 0.25 = \frac{1}{4}, 50\% = 0.5 = \frac{1}{2}, 75\% = 0.75 = \frac{3}{4},$$

$$0.1 = 10\% = \frac{1}{10}, 0.2 = 20\% = \frac{1}{5}, 0.3 = 30\% = \frac{3}{10},$$

$$0.4 = 40\% = \frac{2}{5}, 0.5 = 50\% = \frac{1}{2}$$

## 10. Metric units of measure

$$1\text{kg} = 1000\text{g}$$

$$1\text{litre} = 1000\text{ml}$$

$$\frac{1}{2}\text{ kg} = 500\text{g}$$

$$1\text{km} = 1000\text{m}$$

$$\frac{1}{4}\text{ kg} = 250\text{g}$$

$$1\text{m} = 100\text{cm}$$

$$\frac{3}{4}\text{ kg} = 750\text{g}$$

$$1\text{cm} = 10\text{mm}$$