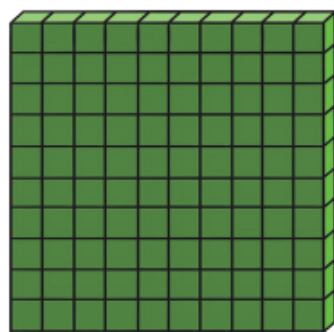


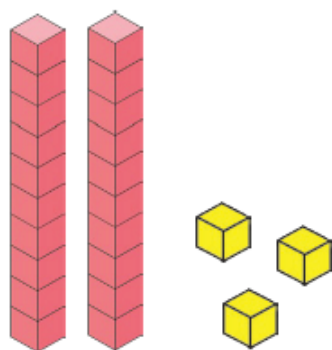
# Year 2 Number and Place Value

one	1	eleven	11
two	2	twelve	12
three	3	thirteen	13
four	4	fourteen	14
five	5	fifteen	15
six	6	sixteen	16
seven	7	seventeen	17
eight	8	eighteen	18
nine	9	nineteen	19
ten	10	twenty	20

'teen'



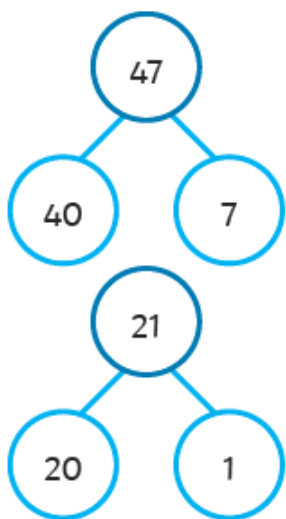
hundred



tens

ones

twenty	20
thirty	30
forty	40
fifty	50
sixty	60
seventy	70
eighty	80
ninety	90
one hundred	100

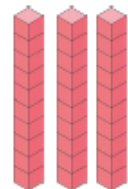
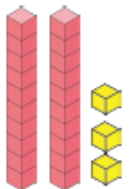


greater than



less than

less than



greater than

2 4 6 8 10 12 14 16 18 20 22 24

counting in 2s

3 6 9 12 15 18 21 24 27 30 33 36

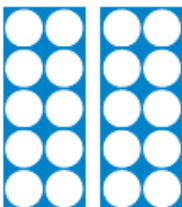
counting in 3s

5 10 15 20 25 30 35 40 45 50

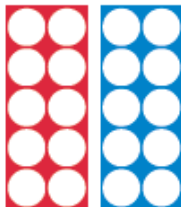
counting in 5s

# Year 2 Addition and Subtraction

$20 + 0 = 20$



$15 + 5 = 20$



$0 + 20 = 20$



$5 + 15 = 20$



$20 - 0 = 20$



$20 - 15 = 5$



$20 - 20 = 0$



$20 - 5 = 15$



$19 + 1 = 20$



$14 + 6 = 20$



$1 + 19 = 20$



$6 + 14 = 20$



$20 - 19 = 1$



$20 - 14 = 6$



$20 - 1 = 19$



$20 - 6 = 14$



$18 + 2 = 20$



$13 + 7 = 20$



$2 + 18 = 20$



$7 + 13 = 20$



$20 - 18 = 2$



$20 - 13 = 7$



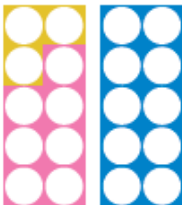
$20 - 2 = 18$



$20 - 7 = 13$



$17 + 3 = 20$



$12 + 8 = 20$



$3 + 17 = 20$



$8 + 12 = 20$



$20 - 17 = 3$



$20 - 12 = 8$



$20 - 3 = 17$



$20 - 8 = 12$



$16 + 4 = 20$



$11 + 9 = 20$



$4 + 16 = 20$



$9 + 11 = 20$



$20 - 16 = 4$



$20 - 11 = 9$



$20 - 4 = 16$



$20 - 9 = 11$



add  
altogether sum  
and plus  
total

minus  
take away subtract  
difference less

equals  
makes

## Empty Number Lines

Use for adding a 2 digit number with single digit number.

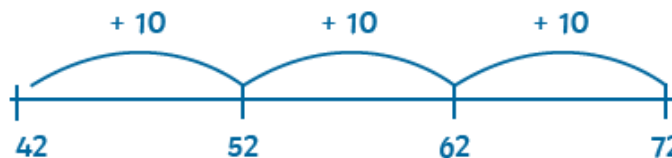
$26 + 8 = ?$



$26 + 8 = 34$

Use for adding a 2 digit number with a multiple of 10.

$42 + 30 = ?$



$42 + 30 = 72$

# Year 2 Multiplication and Division

multiply



times  
times by

divided by  
shared by



equally grouped  
equally shared

**2**

$1 \times 2 = 2$	$7 \times 2 = 14$
$2 \times 2 = 4$	$8 \times 2 = 16$
$3 \times 2 = 6$	$9 \times 2 = 18$
$4 \times 2 = 8$	$10 \times 2 = 20$
$5 \times 2 = 10$	$11 \times 2 = 22$
$6 \times 2 = 12$	$12 \times 2 = 24$

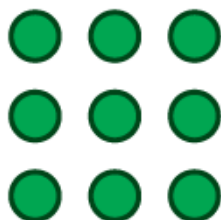
**Even Numbers**

0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20,  
22, 24, 26, 28, 30...

equals



makes



$$3 \times 3 = 9$$

**5**

$1 \times 5 = 5$	$7 \times 5 = 35$
$2 \times 5 = 10$	$8 \times 5 = 40$
$3 \times 5 = 15$	$9 \times 5 = 45$
$4 \times 5 = 20$	$10 \times 5 = 50$
$5 \times 5 = 25$	$11 \times 5 = 55$
$6 \times 5 = 30$	$12 \times 5 = 60$

arrays



$$3 \times 2 = 6 \text{ or}$$

$$2 \times 3 = 6$$



$$4 \times 2 = 8 \text{ or}$$

$$2 \times 4 = 8$$

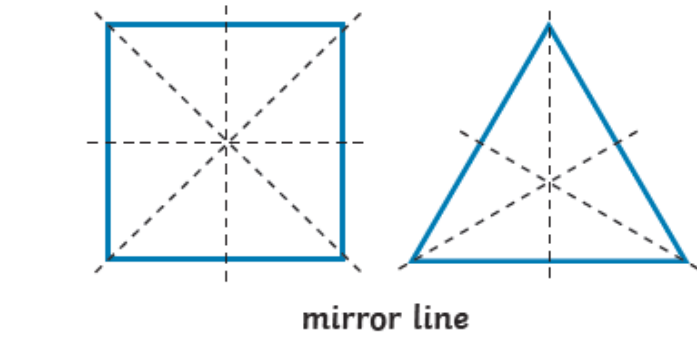
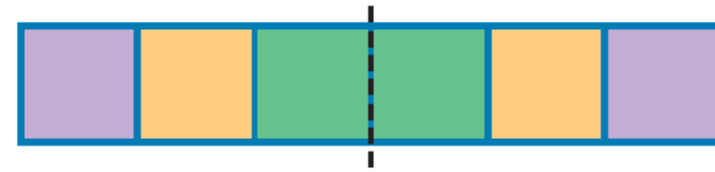
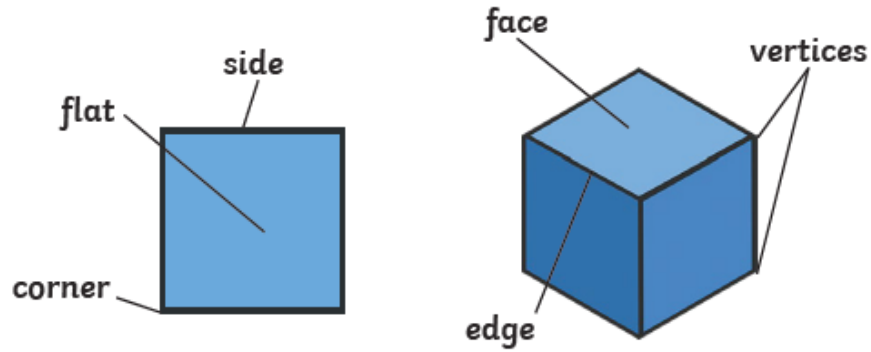
**10**

$1 \times 10 = 10$	$7 \times 10 = 70$
$2 \times 10 = 20$	$8 \times 10 = 80$
$3 \times 10 = 30$	$9 \times 10 = 90$
$4 \times 10 = 40$	$10 \times 10 = 100$
$5 \times 10 = 50$	$11 \times 10 = 110$
$6 \times 10 = 60$	$12 \times 10 = 120$

**Odd Numbers**

1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21,  
23, 25, 27...

# Year 2 Properties of Shape



triangular prism

mirror line



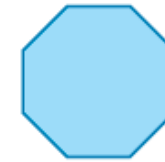
hexagon



pentagon



triangular based pyramid



octagon



circle



rectangle



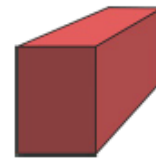
square



triangle



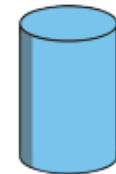
cube



cuboid



cone



cylinder



square base pyramid

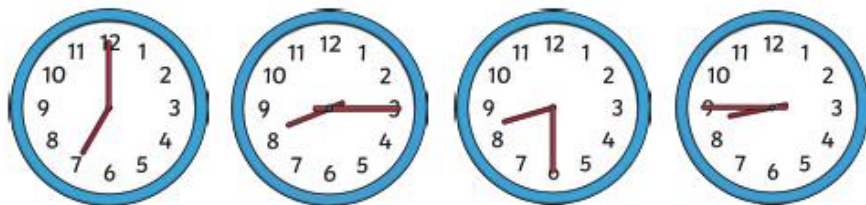


sphere

# Year 2 Measurement

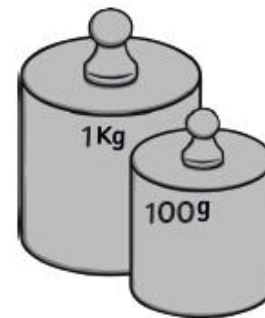
60 minutes = 1 hour  
24 hours = 1 day

second  
minute  
hour  
day  
month  
year



o'clock      quarter past      half past      quarter to

1 kilogram



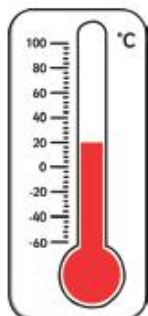
100 grams



100 ml  
100 millilitres



1l  
1 litre



temperature  
degrees Celsius °C

less than



greater than



width



length



1 metre

1p



2p



5p



10p



20p



50p



£1



£2



£5



£10



£20

# Year 2 Fractions

## Halving Quantities

$$\frac{1}{2} \text{ of } 2 = 1$$

$$\frac{1}{2} \text{ of } 4 = 2$$

$$\frac{1}{2} \text{ of } 6 = 3$$

$$\frac{1}{2} \text{ of } 8 = 4$$

$$\frac{1}{2} \text{ of } 10 = 5$$

$$\frac{1}{2} \text{ of } 12 = 6$$

$$\frac{1}{2} \text{ of } 14 = 7$$

$$\frac{1}{2} \text{ of } 16 = 8$$

$$\frac{1}{2} \text{ of } 18 = 9$$

$$\frac{1}{2} \text{ of } 20 = 10$$

## Quartering Quantities

$$\frac{1}{4} \text{ of } 4 = 1$$

$$\frac{1}{4} \text{ of } 8 = 2$$

$$\frac{1}{4} \text{ of } 12 = 3$$

$$\frac{1}{4} \text{ of } 16 = 4$$

$$\frac{1}{4} \text{ of } 20 = 5$$

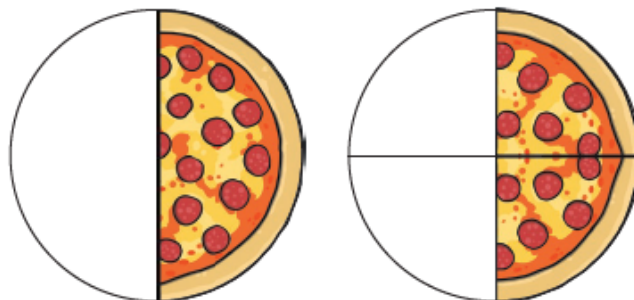
$$\frac{1}{4} \text{ of } 24 = 6$$

$$\frac{1}{4} \text{ of } 28 = 7$$

$$\frac{1}{4} \text{ of } 32 = 8$$

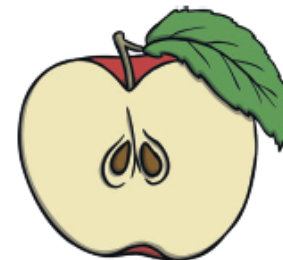
$$\frac{1}{4} \text{ of } 36 = 9$$

$$\frac{1}{4} \text{ of } 40 = 10$$



$$\frac{1}{2} = \frac{2}{4}$$

equal



halves

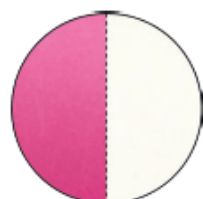


share



**1**

whole



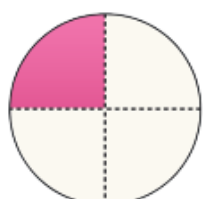
**$\frac{1}{2}$**

half



**$\frac{1}{3}$**

third



**$\frac{1}{4}$**

quarter

whole 1			
half $\frac{1}{2}$		half $\frac{1}{2}$	
third $\frac{1}{3}$	third $\frac{1}{3}$	third $\frac{1}{3}$	
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$

# Year 2 Measurement

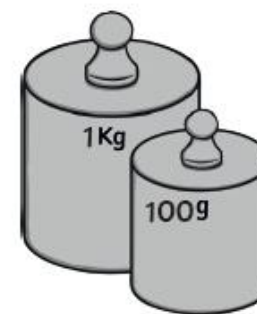
60 minutes = 1 hour  
24 hours = 1 day

second  
minute  
hour  
day  
month  
year



o'clock    quarter past    half past    quarter to

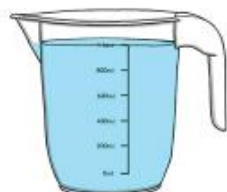
1 kilogram



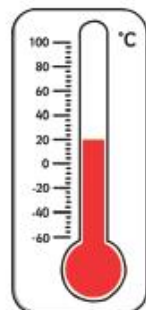
100 grams



100 ml  
100 millilitres



1l  
1 litre



temperature  
degrees Celsius °C

less than



greater than



width



length



1 metre

1p



2p



5p



10p



20p



50p



£1



£2



£5

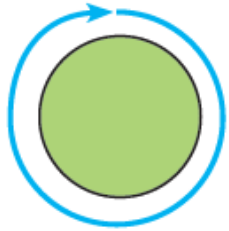


£10

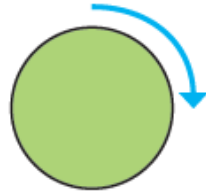


£20

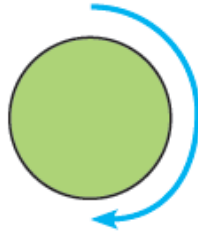
# Year 2 Direction and Movement



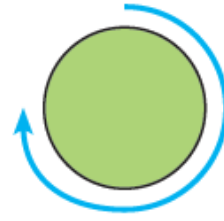
whole turn



quarter turn



half turn



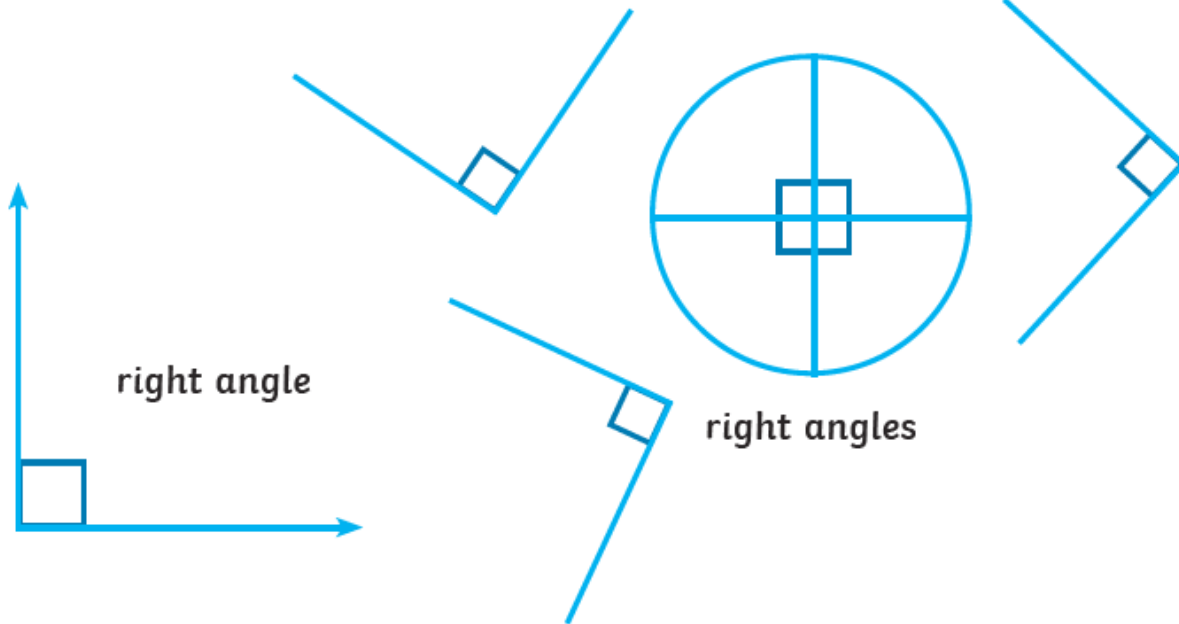
three-quarter turn



clockwise

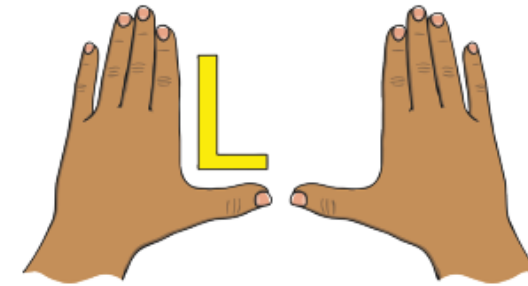


anticlockwise



right angle

right angles



left and right

