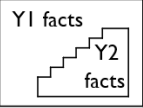


Addition and subtraction facts

| + | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|------|------|------|------|------|------|------|------|------|------|-------|
| 0 | 0+0 | 0+1 | 0+2 | 0+3 | 0+4 | 0+5 | 0+6 | 0+7 | 0+8 | 0+9 | 0+10 |
| 1 | 1+0 | 1+1 | 1+2 | 1+3 | 1+4 | 1+5 | 1+6 | 1+7 | 1+8 | 1+9 | 1+10 |
| 2 | 2+0 | 2+1 | 2+2 | 2+3 | 2+4 | 2+5 | 2+6 | 2+7 | 2+8 | 2+9 | 2+10 |
| 3 | 3+0 | 3+1 | 3+2 | 3+3 | 3+4 | 3+5 | 3+6 | 3+7 | 3+8 | 3+9 | 3+10 |
| 4 | 4+0 | 4+1 | 4+2 | 4+3 | 4+4 | 4+5 | 4+6 | 4+7 | 4+8 | 4+9 | 4+10 |
| 5 | 5+0 | 5+1 | 5+2 | 5+3 | 5+4 | 5+5 | 5+6 | 5+7 | 5+8 | 5+9 | 5+10 |
| 6 | 6+0 | 6+1 | 6+2 | 6+3 | 6+4 | 6+5 | 6+6 | 6+7 | 6+8 | 6+9 | 6+10 |
| 7 | 7+0 | 7+1 | 7+2 | 7+3 | 7+4 | 7+5 | 7+6 | 7+7 | 7+8 | 7+9 | 7+10 |
| 8 | 8+0 | 8+1 | 8+2 | 8+3 | 8+4 | 8+5 | 8+6 | 8+7 | 8+8 | 8+9 | 8+10 |
| 9 | 9+0 | 9+1 | 9+2 | 9+3 | 9+4 | 9+5 | 9+6 | 9+7 | 9+8 | 9+9 | 9+10 |
| 10 | 10+0 | 10+1 | 10+2 | 10+3 | 10+4 | 10+5 | 10+6 | 10+7 | 10+8 | 10+9 | 10+10 |



- Adding 1
- Adding 2
- Bonds to 10
- Adding 0
- Doubles
- Near doubles

Grids taken from nctm.org.uk

Counting in 2s, 5s and 10s

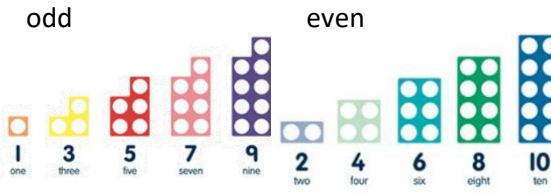
| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

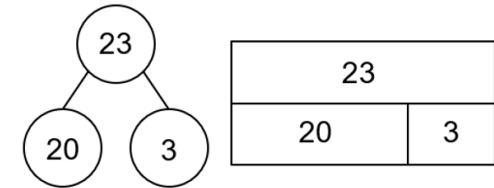
| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



Recognise odd and even numbers



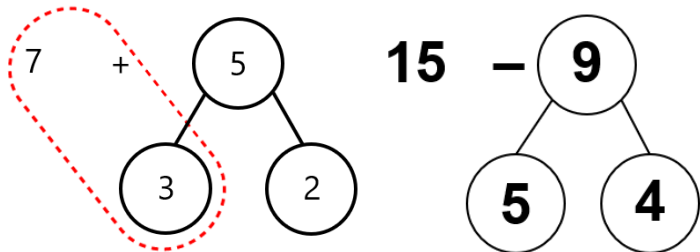
Part whole model showing related facts



$20 + 3 = 23$ $23 - 20 = 3$
 $3 + 20 = 23$ $23 - 3 = 20$
 $23 = 20 + 3$ $3 = 23 - 20$
 $23 = 3 + 20$ $20 = 23 - 3$

Adding and subtracting across 10, using number bonds

7 + 5 is the same as 7 + 3 = 10 + 2 = 12

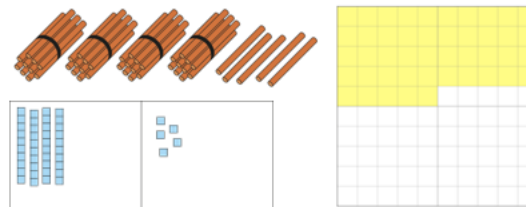


15 - 9 is the same as 15 - 5 = 10 - 4 = 6

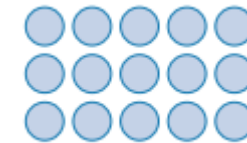
Recognise the place value in a 2-digit number

Forty-five is 4 tens and 5 ones
 Forty-five is also 45 ones
 forty-five is also 3 tens and 15 ones

All the images below represent 45

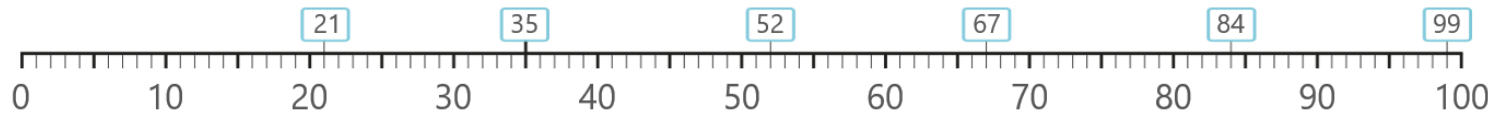


Arrays



$3 \times 5 = 15$ $5 \times 3 = 15$
 $15 \div 3 = 5$ $15 \div 5 = 3$
 $3 + 3 + 3 + 3 + 3 = 15$
 $5 + 5 + 5 = 15$

Identifying 2-digit numbers on a number line



Fractions

| | | | |
|---------------|---------------|---------------|---------------|
| $\frac{1}{2}$ | | $\frac{1}{2}$ | |
| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |



A half is 1 part out of 2 equal pieces



A quarter is 1 out of 4 equal pieces

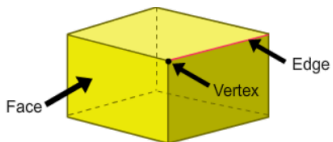


Three quarters is 3 out of 4 equal pieces



A third is 1 out of 3 equal pieces

Shape



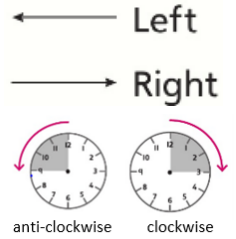
Line of symmetry



A pentagon has:
5 straight sides
5 vertices

Position and direction

| | | | |
|--------------|-----------|--------------------|------------|
| Quarter turn | Half turn | Three-quarter turn | Whole turn |
| | | | |



Measure

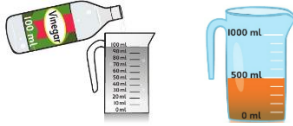
Length and height can be measured in centimetres or metres. **100cm = 1m**



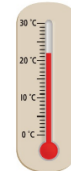
Mass can be measured in grams (g) and kilograms (kg)



Volume can be measured in millilitres (ml) and litres (l)



A thermometer is used to measure temperature



Time

| | | |
|--------------|--------------------|---|
| O'clock | Three o'clock | The minute hand points to the 12 and the hour hand point to the hour. |
| Quarter past | Quarter past three | The minute hand points to the 3 (15 minutes past) and the hour hand points past the hour. |
| Half past | Half past three | The minute hand points to the 6 (30 minutes past) and the hour hand points past the hour. |
| Quarter to | Quarter to four | The minute hand points to the nine (45 minutes past) and the hour hand points near the next hour. |

Statistics

Tally charts

| Choice | Tally | Number |
|--------|-------|--------|
| | | 13 |
| | | 10 |
| | | 14 |

Pictograms

Each ○ represents 1 table point.

| | |
|---------|------------|
| Table 1 | ○○○○○ |
| Table 2 | ○○○○○○○○ |
| Table 3 | ○○○○○○○○○○ |
| Table 4 | ○○○○○ |
| Table 5 | ○○○○ |

Block diagrams

