Put circles around sets of 2 in each box. Count how many sets of 2 in each box.
Write these pictures as sums.

1 + 1 = 2

---

---

---

---
N2 Multiplication and division

N2.1 Doubling

A dog has .................. ears.
A dog has .................. eyes.
A dog has .................. nose.
A dog has .................. tail.
A dog has .................. legs.
A dog has .................. face.

One dog has ............... tail. Two dogs have ............... tails.
One dog has ............... ears. Two dogs have ............... ears.
One dog has ............... legs. Two dogs have ............... legs.

Four dogs have ............. faces. Eight dogs have ............. faces.
Two dogs have ............. eyes. Four dogs have ............. eyes.

A starfish has ............. legs.
Two starfish have ............. legs.

A ladybird has ............. legs.
Two ladybirds have ............. legs.
Use the pictures to help you answer the sums.

3 \times 2 = \[
\[
6 \times 2 = \[
\[
10 \times 2 = \[
\[
9 \times 2 = \[
\[
1 \times 2 = \[
\[
7 \times 2 = \[
\[
8 \times 2 = \[
\[
2 \times 2 = \[
\[
4 \times 2 = \[
\[
5 \times 2 = \[
\[
10 \times 2 = \[
\[
2 \times 2 = \[
\[
4 \times 2 = \[
\[
5 \times 2 = \[
\[

N2 Multiplication and division

N2.1 Doubling

3 \times 2 =

7 \times 2 =

6 \times 2 =

10 \times 2 =

8 \times 2 =

2 \times 2 =

9 \times 2 =

4 \times 2 =

5 \times 2 =

1 \times 2 =

0 \times 2 =

Double 5 .............. Double 2 ..............

Double 7 .............. Double 4 ..............

Double 3 .............. Double 8 ..............

Double 1 .............. Double 6 ..............

Double 9 .............. Double 10 ..............

Complete the table.

| times 2 table | 2 | 4 |   |   |   |   |   |   |
## N2.1 Doubling

<table>
<thead>
<tr>
<th>Currency</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1p</td>
<td>Double 1p =</td>
</tr>
<tr>
<td>20p</td>
<td>Double 20p =</td>
</tr>
<tr>
<td>10p</td>
<td>Double 10p =</td>
</tr>
<tr>
<td>2p</td>
<td>Double 2p =</td>
</tr>
<tr>
<td>50p</td>
<td>Double 50p =</td>
</tr>
<tr>
<td>5p</td>
<td>Double 5p =</td>
</tr>
<tr>
<td>11p</td>
<td>Double 11p =</td>
</tr>
<tr>
<td>15p</td>
<td>Double 15p =</td>
</tr>
<tr>
<td>£1</td>
<td>Double £1 =</td>
</tr>
<tr>
<td>£2</td>
<td>Double £2 =</td>
</tr>
<tr>
<td>£3</td>
<td>Double £3 =</td>
</tr>
<tr>
<td>£6</td>
<td>Double £6 =</td>
</tr>
<tr>
<td>£5</td>
<td>Double £5 =</td>
</tr>
<tr>
<td>£10</td>
<td>Double £10 =</td>
</tr>
</tbody>
</table>
Double these numbers.

Double 5 =
Double 8 =
Double 4 =
Double 2 =
Double 7 =
Double 6 =
Double 10 =
Double 1 =
Double 9 =

5 x 2 =
8 x 2 =
3 x 2 =
1 x 2 =
7 x 2 =
2 x 2 =
4 x 2 =
9 x 2 =
6 x 2 =
10 x 2 =
How much is in each box? Count in 10s.
Draw the same amount in 10p coins.

<table>
<thead>
<tr>
<th>10p</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50p</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20p</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20p</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20p</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10 = ___
10 + 10 = ___
10 + 10 + 10 = ___
10 + 10 + 10 + 10 = ___
10 + 10 + 10 + 10 + 10 = ___
10 + 10 + 10 + 10 + 10 + 10 = ___
10 + 10 + 10 + 10 + 10 + 10 + 10 = ___
10 + 10 + 10 + 10 + 10 + 10 + 10 +10  = ___
10 + 10 + 10 + 10 + 10 + 10 + 10 +10 + 10= ___
10 + 10 + 10 + 10 + 10 + 10 + 10 +10 + 10 + 10  = ___

From the table:

<table>
<thead>
<tr>
<th></th>
<th>x10</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>6</td>
<td>60</td>
</tr>
<tr>
<td>7</td>
<td>70</td>
</tr>
<tr>
<td>8</td>
<td>80</td>
</tr>
<tr>
<td>9</td>
<td>90</td>
</tr>
<tr>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>

5 x 10 = ...... 8 x 10 = ...... 3 x 10 = ......
1 x 10 = ...... 6 x 10= ...... 9 x 10 = ......
70 ÷ 10 = ...... 30 ÷ 10 = ...... 80 ÷ 10 = ......
20 ÷ 10 = ...... 60 ÷ 10 = ...... 40 ÷ 10 = ......
10 x 10 = ...... 10 x 5 = ...... 10 x 2 = ......

What is a tenth of 90? ...... What is a tenth of 30? ......
What is a tenth of 40? ...... What is a tenth of 60? ......
Find 100 less than and 100 more than in these tables.

<table>
<thead>
<tr>
<th>- 100</th>
<th>+ 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td></td>
</tr>
<tr>
<td>331</td>
<td></td>
</tr>
<tr>
<td>728</td>
<td></td>
</tr>
<tr>
<td></td>
<td>213</td>
</tr>
<tr>
<td></td>
<td>644</td>
</tr>
<tr>
<td></td>
<td>472</td>
</tr>
</tbody>
</table>

Write the amount in pence.

£1 = 100p
£2 = ____
£3 = ____
£4 = ____
£5 = ____
£6 = ____
£7 = ____
£8 = ____
£9 = ____
£10 = ____

Complete the table

<table>
<thead>
<tr>
<th>5 x 10 = ____</th>
<th>30 ÷ 10 = ____</th>
<th>5 x 100 = 500</th>
<th>500 ÷ 100 = ____</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 10 = ____</td>
<td>60 ÷ 10 = ____</td>
<td>8 x 100 = ____</td>
<td>800 ÷ 100 = ____</td>
</tr>
<tr>
<td>3 x 10 = ____</td>
<td>90 ÷ 10 = ____</td>
<td>3 x 100 = ____</td>
<td>300 ÷ 100 = ____</td>
</tr>
<tr>
<td>7 x 10 = ____</td>
<td>20 ÷ 10 = ____</td>
<td>7 x 100 = ____</td>
<td>700 ÷ 100 = ____</td>
</tr>
<tr>
<td>2 x 10 = ____</td>
<td>80 ÷ 10 = ____</td>
<td>2 x 100 = ____</td>
<td>200 ÷ 100 = ____</td>
</tr>
<tr>
<td>9 x 10 = ____</td>
<td>40 ÷ 10 = ____</td>
<td>9 x 100 = ____</td>
<td>900 ÷ 100 = ____</td>
</tr>
<tr>
<td>6 x 10 = ____</td>
<td>70 ÷ 10 = ____</td>
<td>6 x 100 = ____</td>
<td>600 ÷ 100 = ____</td>
</tr>
<tr>
<td>4 x 10 = ____</td>
<td>50 ÷ 10 = ____</td>
<td>4 x 100 = ____</td>
<td>400 ÷ 100 = ____</td>
</tr>
<tr>
<td>10 x 10 = ____</td>
<td>100 ÷ 10 = ____</td>
<td>100 x 100 = ____</td>
<td>1000 ÷ 100 = ____</td>
</tr>
</tbody>
</table>
Circle the groups.
Divide into groups.

<table>
<thead>
<tr>
<th>Groups of 2</th>
<th>Groups of 3</th>
<th>Groups of 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Flowers" /></td>
<td><img src="image2.png" alt="Flowers" /></td>
<td><img src="image3.png" alt="Flowers" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Groups of 5</th>
<th>Groups of 6</th>
<th>Groups of 7</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4.png" alt="Flowers" /></td>
<td><img src="image5.png" alt="Flowers" /></td>
<td><img src="image6.png" alt="Flowers" /></td>
</tr>
</tbody>
</table>
How many slices of pizza?
Share the pizza slices between the 3 plates.

How many pizzas on a plate? ........

How many sausages?
Share the sausages between the 4 plates.

How many sausages on a plate? ........
Share 18 eggs between 3 bowls.
How many eggs in each bowl? ................

Share 15 pennies between 5 purses.
How many pennies in each purse? ............

Share 24 pencils between 4 pots.
How many pencils in each pot? ...............
How many groups of two in each box?

1. Four groups.
2. Eight groups.
3. Six groups.
4. Ten groups.
5. Twenty groups.
How many groups of two in each box?
How many bricks in a row? ..........................
How many rows? .................................
2 x 2 =

How many bricks in a row? ..........................
How many rows? .................................
4 x 2 =

How many bricks in a row? ..........................
How many rows? .................................
6 x 2 =

How many bricks in a row? ..........................
How many rows? .................................
...... x 2 =

How many bricks in a row? ..........................
How many rows? .................................
...... x 2 =
Here are 12 balls. Share the balls between 6 teams: use the circles.
How many balls per team? \[ \frac{12}{6} = \ldots \]

Share the balls between 4 teams.
How many balls per team? \[ \frac{12}{4} = \ldots \]

Share the balls between 3 teams.
How many balls per team? \[ \frac{12}{3} = \ldots \]

Share the balls between 2 teams.
How many balls per team? \[ \frac{12}{2} = \ldots \]
N2 Multiplication and division

N2.5 Multiplying and dividing 2a

<table>
<thead>
<tr>
<th></th>
<th>x 2</th>
<th>x 5</th>
<th>x 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>20</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>7</td>
<td>14</td>
<td>35</td>
<td>70</td>
</tr>
<tr>
<td>8</td>
<td>16</td>
<td>40</td>
<td>80</td>
</tr>
<tr>
<td>9</td>
<td>18</td>
<td>45</td>
<td>90</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
<td>50</td>
<td>100</td>
</tr>
</tbody>
</table>

Use the table on the left to find factors of these numbers.

15  35  10
18  90  45

What do I have to multiply 4 by to get
20  8  40
What do I have to multiply 7 by to get
70  14  35
What do I have to multiply 9 by to get
18  90  45

These numbers appear more than once in the table.

Find the factors of these numbers.

30  40  20

Show how you would share 12 sweets between 12, 6, 4, 3, 2 and 1 person.
Share 24 biscuits ...

...between 24 people - how many each?

...between 12 people - how many each?

...between 6 people - how many each?

...between 4 people - how many each?

...between 3 people - how many each?

...between 2 people - how many each?

...for 1 person - how many?

Find the missing numbers.

\[
\begin{align*}
24 \div 1 & = \quad 24 \div 12 & = \quad 24 \div \ldots \ldots & = 6 \\
24 \div 2 & = \quad 24 \div 24 & = \quad 24 \div \ldots \ldots & = 4 \\
24 \div 3 & = \quad 24 \div \ldots \ldots & = 24 \\
& = \quad 24 \div \ldots \ldots & = 3 \\
24 \div 4 & = \quad 24 \div \ldots \ldots & = 12 \\
& = \quad 24 \div \ldots \ldots & = 2 \\
24 \div 6 & = \quad 24 \div \ldots \ldots & = 8 \\
& = \quad 24 \div \ldots \ldots & = 1 
\end{align*}
\]
Share the pennies between the two children.

<table>
<thead>
<tr>
<th>Name</th>
<th>Pennies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pat</td>
<td>.......</td>
</tr>
<tr>
<td>Jo</td>
<td>.......</td>
</tr>
<tr>
<td>Sue</td>
<td>.......</td>
</tr>
<tr>
<td>Ken</td>
<td>.......</td>
</tr>
<tr>
<td>Tom</td>
<td>.......</td>
</tr>
<tr>
<td>Lyn</td>
<td>.......</td>
</tr>
<tr>
<td>Ian</td>
<td>.......</td>
</tr>
<tr>
<td>Pam</td>
<td>.......</td>
</tr>
</tbody>
</table>
Colour half of the boxes red.
Total number of boxes ..................
Number of red boxes ..................
Half of 12 =

Colour half of the boxes blue.
Total number of boxes ..................
Number of blue boxes ..................
Half of 16 =

Colour half of the boxes green.
Total number of boxes ..................
Number of green boxes ..................
Half of 20 =

Continue the sequence of bricks.
Can you share these bricks evenly between 2 people? Tick the correct box.

- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
- yes no
Split these numbers into tens and units.

13 = \( \ldots \) tens + \( \ldots \) units  
17 = \( \ldots \) tens + \( \ldots \) units  
11 = \( \ldots \) tens + \( \ldots \) units  
19 = \( \ldots \) tens + \( \ldots \) units  
24 = \( \ldots \) tens + \( \ldots \) units  
52 = \( \ldots \) tens + \( \ldots \) units  
75 = \( \ldots \) tens + \( \ldots \) units  
48 = \( \ldots \) tens + \( \ldots \) units  
29 = \( \ldots \) tens + \( \ldots \) units  
83 = \( \ldots \) tens + \( \ldots \) units  
90 = \( \ldots \) tens + \( \ldots \) units  
62 = \( \ldots \) tens + \( \ldots \) units  

Change these tens and units into numbers.

1 ten + 5 units = \( \ldots \)  
1 ten + 2 units = \( \ldots \)  
1 ten + 8 units = \( \ldots \)  
1 ten + 9 units = \( \ldots \)  
3 tens + 7 units = \( \ldots \)  
6 tens + 1 unit = \( \ldots \)  
7 tens + 0 units = \( \ldots \)  
5 tens + 3 units = \( \ldots \)  
2 tens + 9 units = \( \ldots \)  
4 tens + 8 units = \( \ldots \)  
9 tens + 1 unit = \( \ldots \)  
5 tens + 7 units = \( \ldots \)  

Which numbers in the box have 3 units? \( \ldots \)  
Which numbers in the box have 1 unit? \( \ldots \)  
Which numbers in the box have 7 tens? \( \ldots \)  
Which numbers in the box have 2 tens? \( \ldots \)
Work out these division sums - because you are dividing by 2 you jump backwards 2. How many jumps give the answer?

10 ÷ 2 = 5

12 ÷ 2 =

8 ÷ 2 =

16 ÷ 2 =

20 ÷ 2 =

14 ÷ 2 =
N2.7 More multiplying and dividing

£1 = 100 pence

Convert these pence into pounds.

326p  621p  427p  512p
578p  173p  519p  722p

Convert these pounds into pence.

£3.56 £1.78 £6.42 £5.17
£0.85 £7.14 £1.93 £2.62

How much?

1 metre = 100 centimetres

Convert these centimetres into metres.

123 cm  735 cm  293 cm  362 cm
321 cm  552 cm  162 cm  284 cm

Convert these metres into centimetres.

3.67 m  5.24 m  2.74 m  5.06 m
1.42 m  8.34 m  4.57 m  6.92 m
Mark the coins you would use to pay for each.

- 25p
- 40p
- 50p
- 45p
- £1
- 90p
- 75p
Mary paid 30p to try and throw 3 balls through the hoop. How much change did she get from £1? .......................................................... 
If Mary had 2 goes at throwing the ball through the hoop how much would it cost? ..........................................................

Jane paid 25p to throw darts to burst the balloons. How much change would she get from 50p? ..........................................................

Miya spent 15p for 3 hoops. How much per hoop? ........
How much would it cost for 6 hoops? ............... 
How many hoops does the stand holder sell to take £1? ..........................................................

John paid 30p for 3 balls. He knocked down 3 disks and won 50p. How much more did he win than he paid? ................................................
To win £1 you need to knock down ............ disks.

Nina paid 45p for candyfloss. How much change did she get from £1? ............... 
How much would 2 sticks of candyfloss cost? ..........................................................
The candy floss stand raised £95. How much more did they need to reach £100? .................
The coffee shop at the school fair sold drinks between 1 pm and 5 pm. The pictogram shows the drinks sold each hour in the afternoon.

<table>
<thead>
<tr>
<th>Time</th>
<th>Drinks Sold</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 pm - 2 pm</td>
<td>☕️☕️☕️☕️ ☕️</td>
</tr>
<tr>
<td>2 pm - 3 pm</td>
<td>☕️☕️☕️☕️ ☕️</td>
</tr>
<tr>
<td>3 pm - 4 pm</td>
<td>☕️☕️☕️☕️ ☕️</td>
</tr>
<tr>
<td>4 pm - 5 pm</td>
<td>☕️☕️☕️☕️ ☕️</td>
</tr>
</tbody>
</table>

= 10 drinks

How long was the coffee shop open? ..........................................................
How many drinks were sold during 1 pm - 2 pm .......
  2 pm - 3 pm ........
  3 pm - 4 pm ........
  4 pm - 5 pm ........

How many drinks altogether? .................................................................
When did they serve the most drinks? ..................................................
How many more people had drinks between 2 pm and 3 pm than between 1 pm and 2 pm? .................................................................
How many more people had drinks between 3 pm and 4 pm than between 4 pm and 5 pm? .................................................................

The coffee shop bought cans of cola for 27p and sold them for 75p. How much profit did they make per can? ..................................................
Half the people who had a drink also had a piece of cake. How many people had a piece of cake? ..................................................