Multiplication 1
Videos 199 and 200 on www.corbettmaths.com

Examples

Workout

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Question 1: Work out the following multiplications
(a) 32 \times 3  
(b) 15 \times 5  
(c) 23 \times 4  
(d) 19 \times 3  
(e) 47 \times 2

(f) 6 \times 21  
(g) 35 \times 5  
(h) 59 \times 4  
(i) 7 \times 28  
(j) 62 \times 6

(k) 74 \times 5  
(l) 53 \times 9  
(m) 7 \times 66  
(n) 83 \times 8  
(o) 96 \times 9

Question 2: Work out the following multiplications
(a) 223 \times 2  
(b) 132 \times 3  
(c) 124 \times 4  
(d) 5 \times 135

(e) 403 \times 6  
(f) 263 \times 6  
(g) 365 \times 7  
(h) 308 \times 9

(i) 6 \times 555  
(j) 758 \times 4  
(k) 642 \times 8  
(l) 383 \times 7

(m) 798 \times 9  
(n) 1294 \times 5  
(o) 2074 \times 6  
(p) 8 \times 4868

Apply

Question 1: Work out the product of 18 and 4

Question 2: How many days are there in 35 weeks?

Question 3: Mr Burns wants to buy every student in Year 11 a doughnut. There are 120 students in Year 11. Mr Burns buys 26 bags of doughnuts and there are 5 doughnuts in a bag. Has Mr Burns bought enough doughnuts?

Question 4: Claudia saves £8 every month. How much money does she save over 2 years?

Question 5: Find the area of this rectangle.

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Question 6: At a wedding, there are 16 tables.
15 tables seat 6 guests
1 table will seat 8 guests

Work out the total number of chairs needed.

Question 7: Here is part of Olive’s gas bill.
Each unit of gas costs 9p.

<table>
<thead>
<tr>
<th>Old reading</th>
<th>1695 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>New reading</td>
<td>2104 units</td>
</tr>
</tbody>
</table>

Work out how much Olive will have to pay.

Question 8: Leanne works in a cinema.
She is paid £7 per hour for the first 120 hours she works each month.
Leanne is paid an overtime rate of £9 per hour for any additional hours.
In September she works 138 hours.
Work out how much Leanne is paid.

Question 9: Below are two boxes that contain numbers.

```
Box 1
9  2
3  7
4

Box 2
33  25
63  94
```

Choose one number from each box that multiply together to give an answer between 400 and 500.

Question 10: Nicole owns a clothes shop.
She buys 8 jackets for £73 each.
Nicole sells the jackets for £125 each.

Work out her profit.

Question 11: 800 people attended a charity football match between Ballymena United and AFC Telford.
Adult tickets are £9 and child tickets are £4.
Out of the 800 people at the match, 155 are children

How much money was raised for charity?
Question 12: Mr and Mrs Neill book a 10 day holiday in July. They have three children. Work out the total cost.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Per adult</th>
<th>Per child</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st March to 30th April</td>
<td>£23</td>
<td>£9</td>
</tr>
<tr>
<td>1st June to 31st August</td>
<td>£26</td>
<td>£13</td>
</tr>
</tbody>
</table>

There is a £15 booking charge for every holiday.

Question 13: Bertie wants to buy a table and six chairs. Where should he buy them?

<table>
<thead>
<tr>
<th>Furniture World</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Table</td>
<td>£180</td>
<td></td>
</tr>
<tr>
<td>Each chair</td>
<td>£45</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Furniture Land</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Table Free if you buy 6 chairs</td>
<td>Free</td>
<td></td>
</tr>
<tr>
<td>Each chair</td>
<td>£77</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Home of Furniture</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Table</td>
<td>£194</td>
<td></td>
</tr>
<tr>
<td>Two chairs</td>
<td>£82</td>
<td></td>
</tr>
</tbody>
</table>

Question 14: Place the digits 4, 5, 6 and 8 into the boxes below so that

(a) You find the largest possible answer.
(b) You find the smallest possible answer

[a] [x] [b] [c] [d]

Question 15: Donald is buying ribbon to wrap his Christmas presents. The ribbon costs £1.89 per metre. He buys 7 metres of ribbon. Work out the total cost.

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