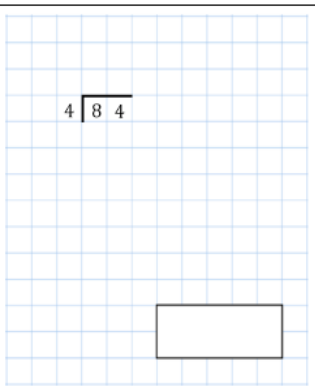
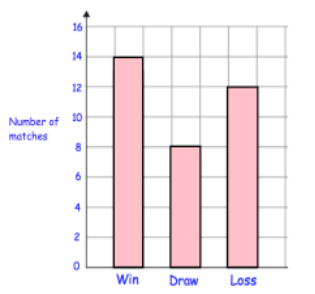
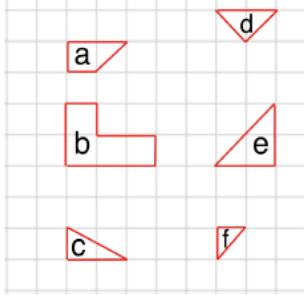


Unit 3 Week 4 Maths

Friday Simmering

Choose one section for your simmering then one section for your main activity.
If you fancy a challenge do try the next level

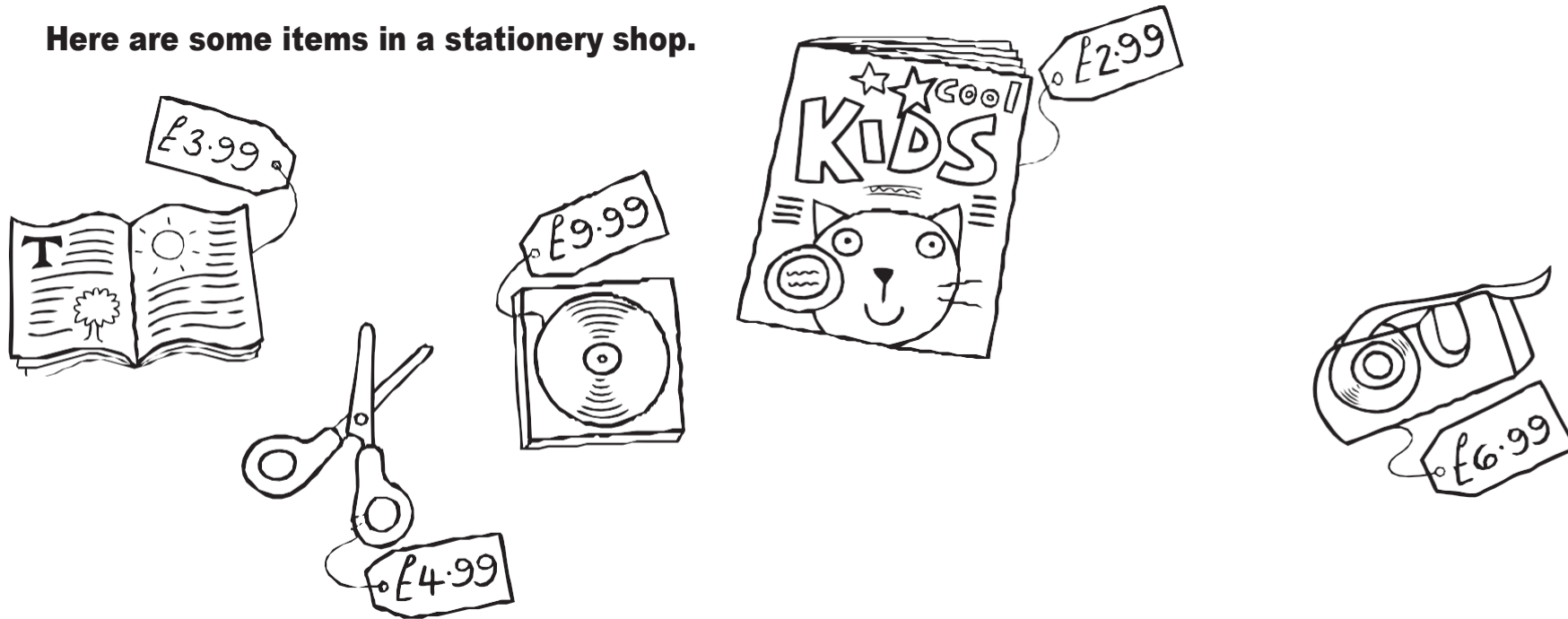
*	**	***
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">$31 + 16 + 25$</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">$108 \div 4$</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">287×3</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">$\frac{1}{4}$ of 312</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">3^3</p> </div>
<p>Bristol City play some football matches</p> <p>Here are the results</p>  <p style="font-size: small;">Number of matches</p>		<p>Two of the fractions are equivalent</p> <p>Circle them</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">$\frac{2}{3}$</div> <div style="text-align: center;">$\frac{12}{15}$</div> <div style="text-align: center;">$\frac{9}{12}$</div> <div style="text-align: center;">$\frac{16}{20}$</div> <div style="text-align: center;">$\frac{6}{10}$</div> </div>
<p>How many matches did they draw?</p> <hr/> <p>How many matches did they play in total?</p>	<p>Which three shapes can fit together to make a square?</p> <hr/> <p>Which shapes do not have lines of symmetry?</p>	
<p>The children at Highfield School are collecting money for charity.</p> <p>Their target is £200</p> <p>So far they have collected £135</p>	<p>A 17:45</p> <p>B 6:15pm</p> <p>C 20:00</p> <p>D 5:30pm</p>	<p>Write the letters for the times in order, starting with the earliest.</p>

*** LO To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound?

E.g. £2.99 is near to £3

Here are some items in a stationery shop.



Here is an example of a pair of items: a book and a CD.

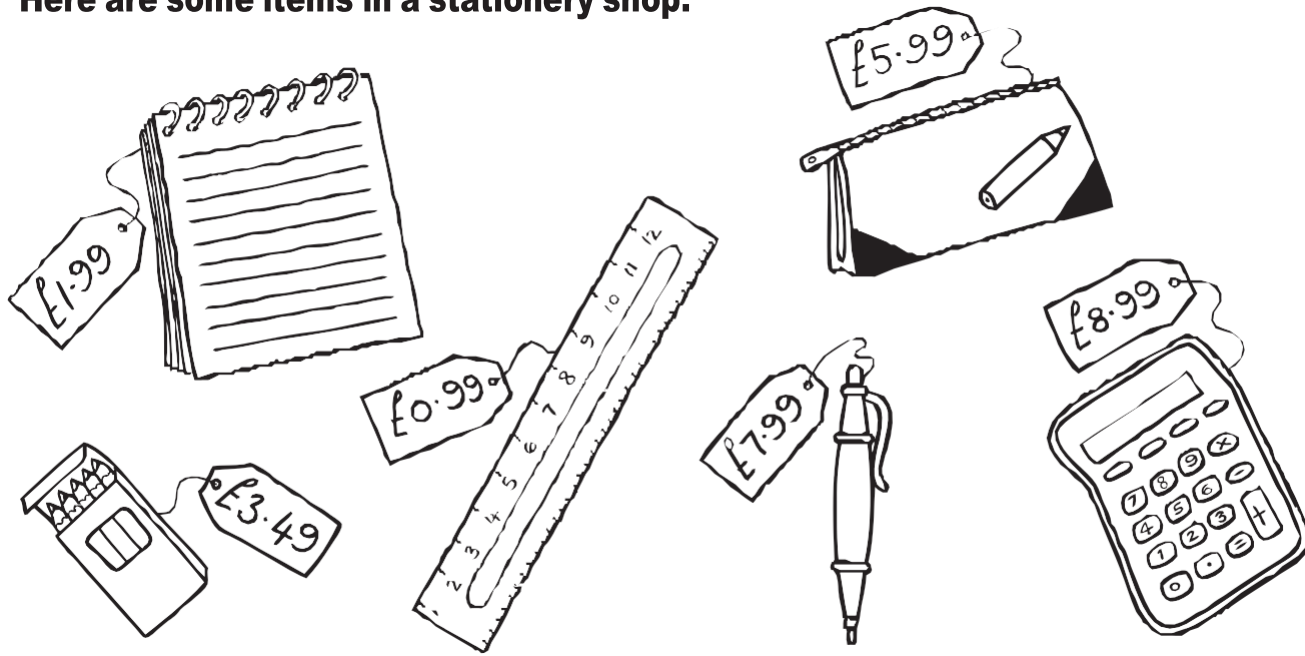
How many different combinations of pairs of items can be made?

Find the total cost of each pair of items. Show your working out .

**** To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound? E.g.
£2.99 is near to £3

Here are some items in a stationery shop.



Here is an example of a pair of items: a notebook and a ruler.

How many different combinations of pairs of items can be made?

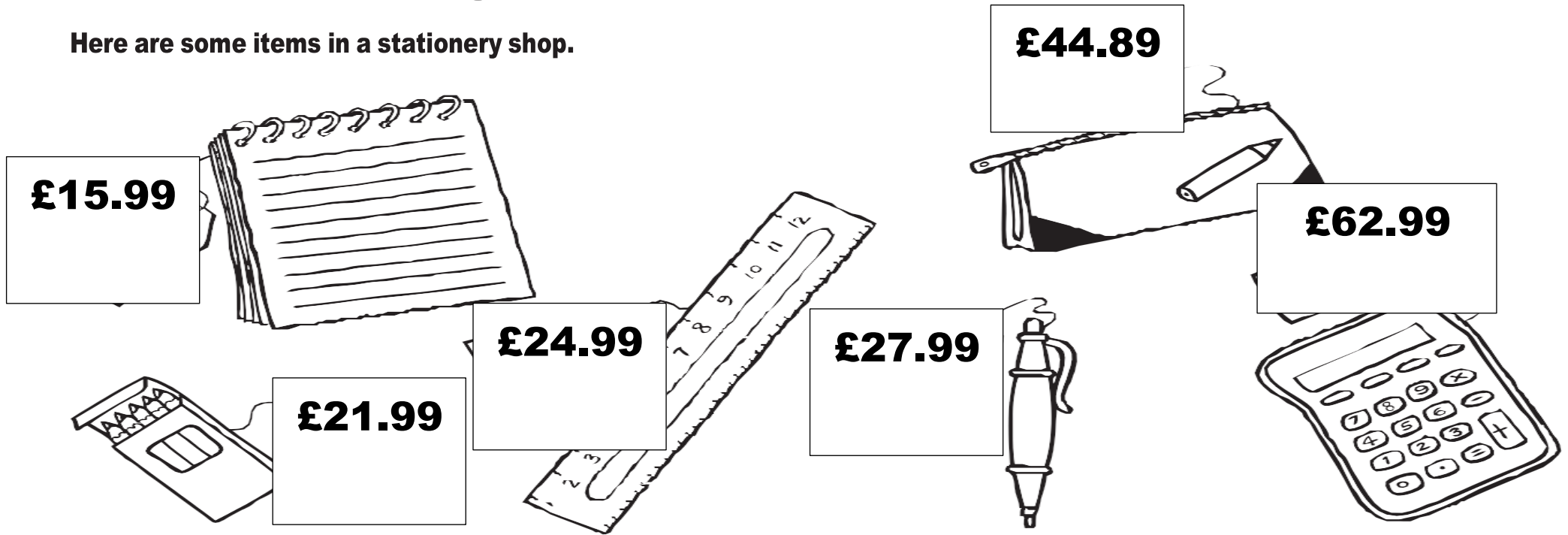
Find the total cost of each pair of items. Show your working out in the space below.

***** To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound?

E.g. £12.99 is near to £13

Here are some items in a stationery shop.



Here is an example of a pair of items: a notebook and a ruler.

How many different combinations of pairs of items can be made?

Find the total cost of each pair of items. Show your working out in the space below.

Answers

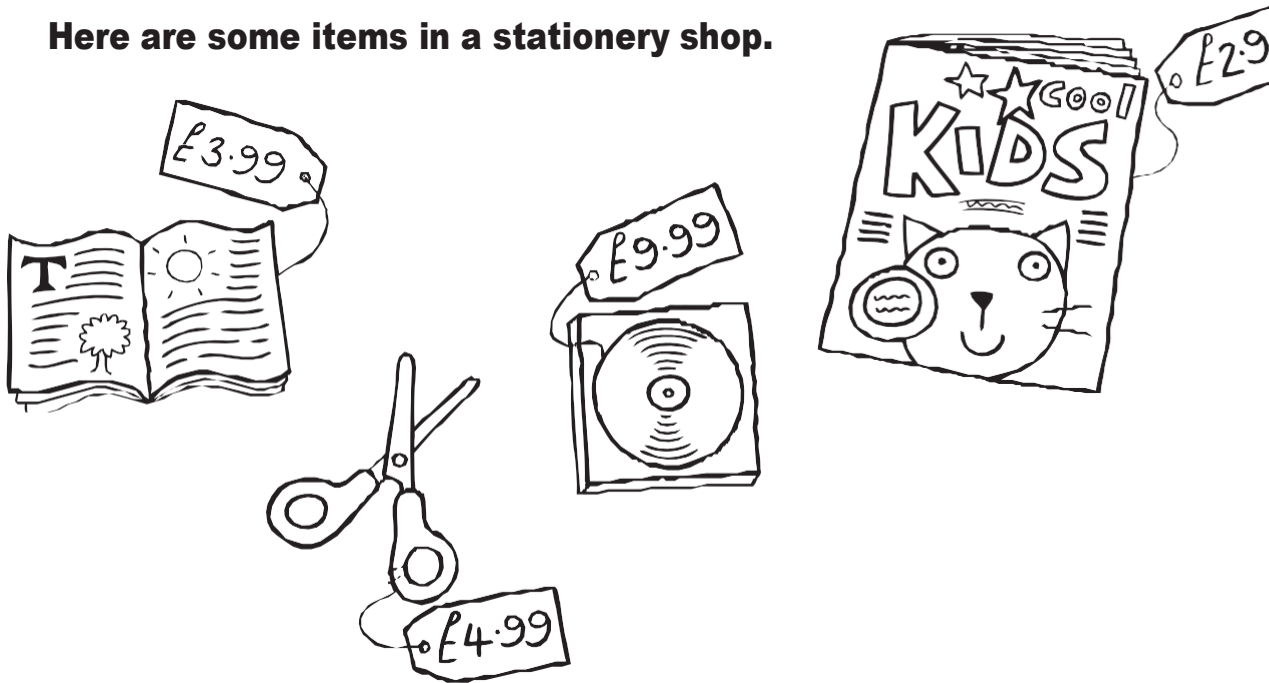
*		**		***									
	$31 + 16 + 25$ <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">72</div>	$108 \div 4$ 	287×3 	$25\% \text{ of } 312$ 	3^3 <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">$3 \times 3 \times 3 = 27$</div>								
<p>Bristol City play some football matches</p> <p>Here are the results</p> <table border="1"> <caption>Football Match Results</caption> <thead> <tr> <th>Result</th> <th>Number of Matches</th> </tr> </thead> <tbody> <tr> <td>Win</td> <td>14</td> </tr> <tr> <td>Draw</td> <td>8</td> </tr> <tr> <td>Loss</td> <td>12</td> </tr> </tbody> </table>	Result	Number of Matches	Win	14	Draw	8	Loss	12	<p>How many matches did they draw?</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">8</div> <p>How many matches did they play in total?</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">$14 + 8 + 12 = 34$</div>		<p>Which three shapes can fit together to make a square?</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">D E C</div> <p>Which shapes do not have lines of symmetry?</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">A B C</div>	<p>Two of the fractions are equivalent</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> <p>This was hard</p> $\frac{12}{15} = \frac{4}{5}$ $\frac{4}{5} = \frac{16}{20}$ </div>	
Result	Number of Matches												
Win	14												
Draw	8												
Loss	12												
<p>The children at Highfield School are collecting money for charity.</p> <p>Their target is £200</p> <p>So far they have collected £135</p>	<p>How much more money do they need to reach their target?</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">$\pounds 200 - \pounds 135 = \pounds 65$</div>	<p>A 17:45</p> <p>B 6:15pm</p> <p>C 20:00</p> <p>D 5:30pm</p>	<p>Write the letters for the times in order, starting with the earliest.</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">D A B C</div>										

*** LO To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound?

E.g. £2.99 is near to £3

Here are some items in a stationery shop.



$$\begin{aligned} &\text{£6.99} + \text{£2.99} \\ &\text{£7} + \text{£3} = \text{£10} \end{aligned}$$

$$\begin{aligned} &\text{£6.99} + \text{£9.99} \\ &\text{£7} + \text{£10} = \text{£17} \end{aligned}$$

$$\begin{aligned} &\text{£6.99} + \text{£4.99} \\ &\text{£7} + \text{£5} = \text{£12} \end{aligned}$$

$$\begin{aligned} &\text{£6.99} + \text{£3.99} \\ &\text{£7} + \text{£4} = \text{£11} \end{aligned}$$

$$\begin{aligned} &\text{£2.99} + \text{£9.99} \\ &\text{£3} + \text{£10} = \text{£13} \end{aligned}$$

$$\begin{aligned} &\text{£2.99} + \text{£4.99} \\ &\text{£3} + \text{£5} = \text{£8} \end{aligned}$$

$$\begin{aligned} &\text{£2.99} + \text{£3.99} \\ &\text{£3} + \text{£4} = \text{£7} \end{aligned}$$

$$\begin{aligned} &\text{£9.99} + \text{£4.99} \\ &\text{£10} + \text{£5} = \text{£15} \end{aligned}$$

$$\begin{aligned} &\text{£9.99} + \text{£3.99} \\ &\text{£10} + \text{£4} = \text{£14} \end{aligned}$$

$$\begin{aligned} &\text{£4.99} + \text{£3.99} \\ &\text{£5} + \text{£4} = \text{£9} \end{aligned}$$

Here is an example of a pair of items: a book and a CD

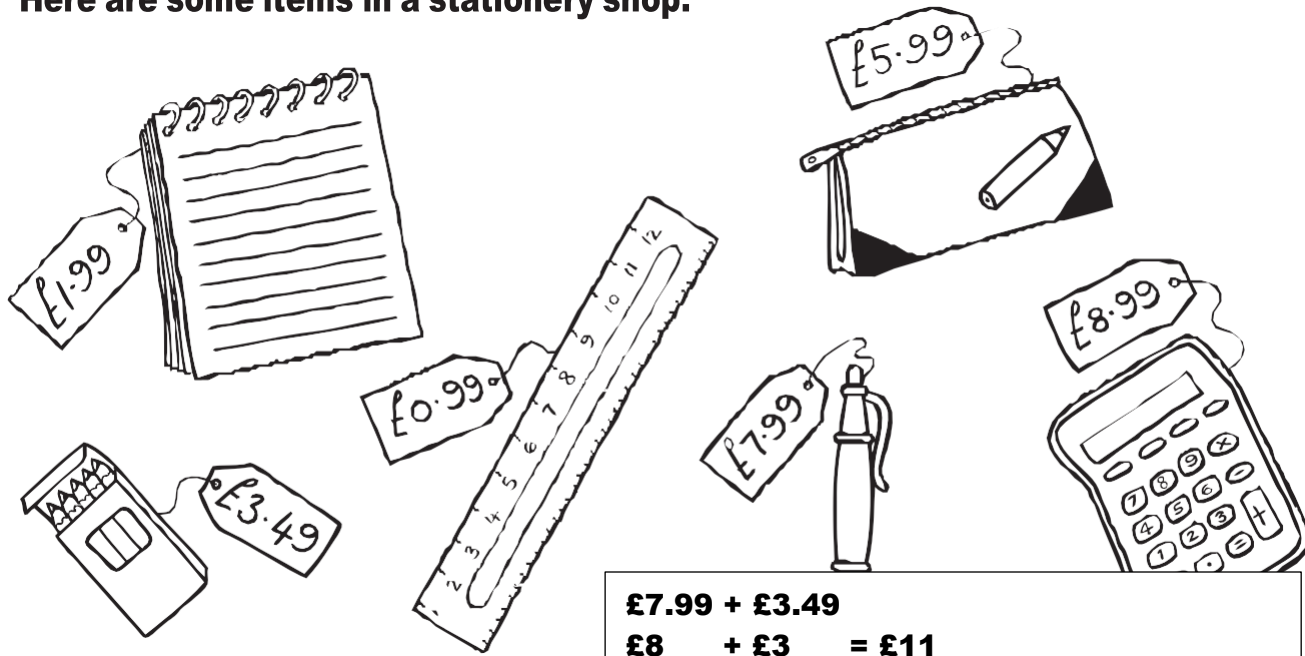
How many different combinations of pairs of items

Find the total cost of each pair of items. Show your work

**** To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound? E.g.
£2.99 is near to £3

Here are some items in a stationery shop.



Here is an example of

How many different con

Find the total cost of ea
space below.

$$\begin{array}{r} \text{£}7.99 + \text{£}3.49 \\ \text{£}8 \quad + \text{£}3 \quad = \text{£}11 \end{array}$$

$$\begin{array}{r} \text{£}7.99 + \text{£}1.99 \\ \text{£}8 \quad + \text{£}2 \quad = \text{£}10 \end{array}$$

$$\begin{array}{r} \text{£}0.99 + \text{£}3.49 \\ \text{£}1 \quad + \text{£}4 \quad = \text{£}5 \end{array}$$

$$\begin{array}{r} \text{£}3.49 + \text{£}1.99 \\ \text{£}3 \quad + \text{£}2 \quad = \text{£}5 \end{array}$$

$$\begin{array}{r} \text{£}8.99 + \text{£}5.99 \\ \text{£}9 \quad + \text{£}6 \quad = \text{£}15 \end{array}$$

$$\begin{array}{r} \text{£}8.99 + \text{£}7.99 \\ \text{£}9 \quad + \text{£}8 \quad = \text{£}17 \end{array}$$

$$\begin{array}{r} \text{£}8.99 + \text{£}0.99 \\ \text{£}9 \quad + \text{£}1 \quad = \text{£}10 \end{array}$$

$$\begin{array}{r} \text{£}8.99 + \text{£}3.49 \\ \text{£}7 \quad + \text{£}3 \quad = \text{£}10 \end{array}$$

$$\begin{array}{r} \text{£}8.99 + \text{£}1.99 \\ \text{£}9 \quad + \text{£}2 \quad = \text{£}11 \end{array}$$

$$\begin{array}{r} \text{£}5.99 + \text{£}7.99 \\ \text{£}6 \quad + \text{£}8 \quad = \text{£}14 \end{array}$$

$$\begin{array}{r} \text{£}5.99 + \text{£}0.99 \\ \text{£}6 \quad + \text{£}1 \quad = \text{£}7 \end{array}$$

$$\begin{array}{r} \text{£}5.99 + \text{£}3.49 \\ \text{£}6 \quad + \text{£}3 \quad = \text{£}9 \end{array}$$

$$\begin{array}{r} \text{£}6.99 + \text{£}1.99 \\ \text{£}7 \quad + \text{£}2 \quad = \text{£}9 \end{array}$$

$$\begin{array}{r} \text{£}7.99 + \text{£}0.99 \\ \text{£}8 \quad + \text{£}1 \quad = \text{£}9 \end{array}$$

***** To use rounding and addition to solve a problem**

Can you round prices to the nearest whole pound?

E.g. £12.99 is near to

Here are some items in a stationery shop.



Here is an example of a problem

How many different combinations

Find the total cost of each combination in the space below.

£24.99

£27.99

$$\begin{array}{r} \text{£}44.89 + \text{£}21.99 \\ \text{£}45 \quad + \text{£}22 \quad = \text{£}67 \end{array}$$

$$\begin{array}{r} \text{£}44.89 + \text{£}15.99 \\ \text{£}45 \quad + \text{£}16 \quad = \text{£}61 \end{array}$$

$$\begin{array}{r} \text{£}24.99 + \text{£}21.99 \\ \text{£}25 \quad + \text{£}22 \quad = \text{£}47 \end{array}$$

$$\begin{array}{r} \text{£}24.99 + \text{£}15.99 \\ \text{£}25 \quad + \text{£}16 \quad = \text{£}41 \end{array}$$

$$\begin{array}{r} \text{£}21.99 + \text{£}15.99 \\ \text{£}22 \quad + \text{£}16 \quad = \text{£}38 \end{array}$$

$$\begin{array}{r} \text{£}62.99 + \text{£}44.89 \\ \text{£}63 \quad + \text{£}45 \quad = \text{£}108 \end{array}$$

$$\begin{array}{r} \text{£}62.99 + \text{£}27.99 \\ \text{£}63 \quad + \text{£}28 \quad = \text{£}91 \end{array}$$

$$\begin{array}{r} \text{£}62.99 + \text{£}24.99 \\ \text{£}63 \quad + \text{£}25 \quad = \text{£}88 \end{array}$$

$$\begin{array}{r} \text{£}62.99 + \text{£}21.99 \\ \text{£}63 \quad + \text{£}22 \quad = \text{£}85 \end{array}$$

$$\begin{array}{r} \text{£}62.99 + \text{£}51.99 \\ \text{£}63 \quad + \text{£}52 \quad = \text{£}135 \end{array}$$

$$\begin{array}{r} \text{£}27.99 + \text{£}44.89 \\ \text{£}28 \quad + \text{£}45 \quad = \text{£}73 \end{array}$$

$$\begin{array}{r} \text{£}27.99 + \text{£}24.99 \\ \text{£}28 \quad + \text{£}25 \quad = \text{£}53 \end{array}$$

$$\begin{array}{r} \text{£}27.99 + \text{£}21.99 \\ \text{£}28 \quad + \text{£}22 \quad = \text{£}50 \end{array}$$

$$\begin{array}{r} \text{£}27.99 + \text{£}15.99 \\ \text{£}28 \quad + \text{£}16 \quad = \text{£}44 \end{array}$$

$$\begin{array}{r} \text{£}44.89 + \text{£}24.99 \\ \text{£}45 \quad + \text{£}25 \quad = \text{£}70 \end{array}$$