

Fractions Questions


Some of these are quite tricky and may be a bit too challenging without me teaching you, so please do not worry if you cannot do them all - instead focus on your fraction hunt around your house or the Mathletics website.

A $1 \frac{1}{2} + \frac{2}{6}$	B $\frac{2}{7} + \frac{2}{7} =$	C $1 \frac{3}{5} + \frac{1}{5}$	D $\frac{4}{5} + \frac{7}{5}$	E $1 \frac{2}{3} + \frac{2}{3}$
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A $\frac{5}{6} - \frac{2}{6}$	B $1 \frac{2}{7} - \frac{4}{7} =$	C $1 - \frac{1}{5}$	D $\frac{7}{4} - \frac{2}{4}$	E $1 \frac{2}{5} - \frac{1}{5}$
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- There are 24 hours in a day. The head teacher tells us that we should sleep for $\frac{3}{8}$ of the day.
How much time does the head teacher say we should we spend sleeping?
- Find $\frac{2}{3}$ of 39
- List the base facts you used to find $\frac{4}{5} \times 95$
- Pet hamsters cost £36 each in my local store. The shopkeeper says if I buy one I can buy another for only $\frac{7}{9}$ of the normal price.
How much would a second hamster cost?
- There are 48 chocolates in Sam's box and 36 in Deliah's box. Sam eats half of his and Deliah eats $\frac{3}{4}$ of hers.
Who eats the most?

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; border-radius: 15px; background-color: #f9a825; padding: 5px; text-align: center; width: 80px;"> Only pay $\frac{3}{4}$ price! </div> <div style="border: 1px solid orange; border-radius: 15px; background-color: #f9a825; padding: 5px; text-align: center; width: 80px;"> £5 off! </div> </div> <p style="text-align: center;">Samia can only use one of these vouchers to buy her £24 tennis racket.</p> <p style="text-align: center;">Explain which voucher he should use to save the most.</p>	<p style="text-align: center;">Ben was told to spend 6 hours training for his race. He completed a third of the running on Friday and then completed half of the remaining time on Saturday.</p> <p style="text-align: center;">How long did he have left on Sunday?</p>
<p style="text-align: center;">Lucy drinks $\frac{6}{10}$ of her 800ml bottle and Ian drinks $\frac{4}{5}$ of his 550ml bottle.</p> <p style="text-align: center;">Lucy thinks she has drank the most.</p> <p style="text-align: center;">Draw a labelled diagram to show who is correct.</p>	<div style="display: flex; justify-content: center; gap: 20px;"> <div style="border: 1px solid orange; border-radius: 10px; background-color: #2e8b57; color: white; padding: 5px; text-align: center; width: 80px;"> $\frac{3}{4}$ of £10 </div> <div style="border: 1px solid orange; border-radius: 10px; background-color: #2e8b57; color: white; padding: 5px; text-align: center; width: 80px;"> $\frac{2}{10}$ of £50 </div> <div style="border: 1px solid orange; border-radius: 10px; background-color: #2e8b57; color: white; padding: 5px; text-align: center; width: 80px;"> $\frac{4}{5}$ of £20 </div> <div style="border: 1px solid orange; border-radius: 10px; background-color: #2e8b57; color: white; padding: 5px; text-align: center; width: 80px;"> $\frac{9}{10}$ of £5 </div> </div> <p style="text-align: center;">What's the difference between the smallest and largest amounts of money?</p>

Destination Questions		
<p style="text-align: center;">1 </p> <p style="text-align: center;">Find 3 different ways to complete this calculation:</p> $\frac{\square}{5} + \frac{\square}{5} = 1 \frac{4}{5}$	<p style="text-align: center;">2 </p> $1\frac{2}{6} - \square = \frac{5}{6}$	<p style="text-align: center;">3 </p> <p style="text-align: center;">Joel collects marbles with his brother.</p> <p style="text-align: center;">Joel has 18 marbles and owns $\frac{3}{4}$ of the collection.</p> <p style="text-align: center;">How many marbles do the brothers have altogether?</p>
<p style="text-align: center;">4 </p> <p style="text-align: center;">There are 42 scouts in total. $\frac{4}{6}$ of the group went on a camping trip.</p> <p style="text-align: center;">How many of the scouts did not go camping?</p> <div style="text-align: center; margin-top: 10px;">  </div>	<p style="text-align: center;">5 </p> <p style="text-align: center;">Malia watched $\frac{3}{5}$ of her favourite film on Saturday.</p> <p style="text-align: center;">On Sunday, she had 20 minutes of her film left to watch.</p> <p style="text-align: center;">How long was the film in total?</p>	<p style="text-align: center;">6 </p> <p style="text-align: center;">Amy is making 2 litres of fresh lemonade and uses 400ml of lemon juice.</p> <p style="text-align: center;">What fraction of the lemonade is lemon juice?</p>