



# Timester Challenge

## Fractions of amounts.



Find  $\frac{1}{5}$  of 45

Bronze ★

In a box of half a dozen eggs, 2 are cracked. What fraction are cracked? Give your answer in it's simplest form.

Bronze ★

Complete the table.

Minutes	Hours
20	
30	$\frac{1}{2}$
	$3\frac{1}{4}$

Bronze ★

There are 16 boys and 15 girls in a class.  
 $\frac{3}{4}$  of the boys arrive on time.  
 $\frac{1}{5}$  of the girls arrive late.

How many people arrive late to class?

Silver ★

$\frac{2}{11}$  of babies born in last year were premature in England 697,400 babies were born last year. How many were premature?

Silver ★

Work out  $\frac{3}{7}$  of £98.

Silver ★

What is 0.24 as a fraction of 0.8.  
 Circle your answer.

$\frac{24}{8}$      $\frac{20}{6}$      $\frac{3}{10}$      $\frac{8}{24}$      $\frac{10}{3}$

Gold ★

In a pond  $\frac{3}{8}$  of the fish are male. There are 42 male fish in the pond. How many fish are in the pond all together?

Gold ★

Sameer has £300. He spends  $\frac{1}{4}$  of it on bills and  $\frac{3}{5}$  of it on food. What fraction does he have left?

Gold ★



# Timester Challenge

## Fractions of amounts.



### Answers

Find $\frac{1}{5}$ of 45 $\frac{45}{5} = 9$ Bronze ★	There are 16 boys and 15 girls in a class. $\frac{3}{4}$ of the boys arrive on time. $\frac{1}{5}$ of the girls arrive late. How many people arrive late to class? <b>4 boys late (1 quarter) and 3 girls late.</b> <b>7 people late altogether.</b>	What is 0.24 as a fraction of 0.8. Circle your answer. $\frac{24}{8}$ $\frac{20}{6}$ <span style="border: 2px solid red; padding: 2px;"><math>\frac{3}{10}</math></span> $\frac{8}{24}$ $\frac{10}{3}$ Gold ★								
In a box of half a dozen eggs, 2 are cracked. What fraction are cracked? Give your answer in it's simplest form. $\frac{2}{6} = \frac{1}{3}$ Bronze ★	$\frac{2}{11}$ of babies born in last year were premature in England 697,400 babies were born last year. How many were premature? $63400 \times 2 = 126,800$ babies Silver ★	In a pond $\frac{3}{8}$ of the fish are male. There are 42 male fish in the pond. How many fish are in the pond all together? $\frac{3}{8} = 42$ male $\frac{42}{3} = 14$ $14 \times 8 = 112$ fish Gold ★								
Complete the table. <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Minutes</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>20</td> <td><math>\frac{20}{60} = \frac{1}{3}</math></td> </tr> <tr> <td>30</td> <td><math>\frac{1}{2}</math></td> </tr> <tr> <td><math>180 + 15 = 195</math></td> <td><math>3\frac{1}{4}</math></td> </tr> </tbody> </table> Bronze ★	Minutes	Hours	20	$\frac{20}{60} = \frac{1}{3}$	30	$\frac{1}{2}$	$180 + 15 = 195$	$3\frac{1}{4}$	Work out $\frac{3}{7}$ of £98. $\frac{98}{7} \times 3 = 14 \times 3 = £42$ Silver ★	Sameer has £300. He spends $\frac{1}{4}$ of it on bills and $\frac{3}{5}$ of it on food. What fraction does he have left? <b>Bills - £75 Food - £180</b> <b>Money Left - £45</b> $\frac{45}{300} = \frac{9}{60} = \frac{3}{20}$ Gold ★
Minutes	Hours									
20	$\frac{20}{60} = \frac{1}{3}$									
30	$\frac{1}{2}$									
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