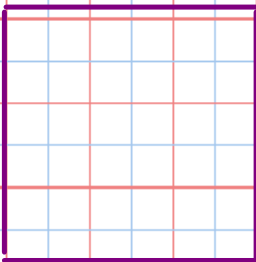
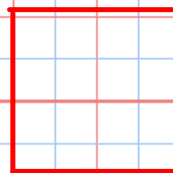
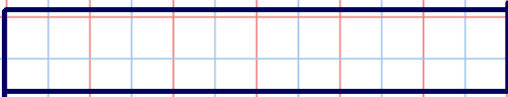
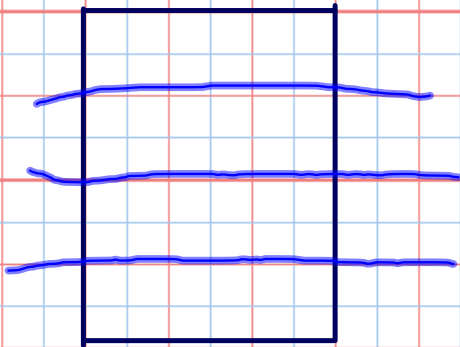
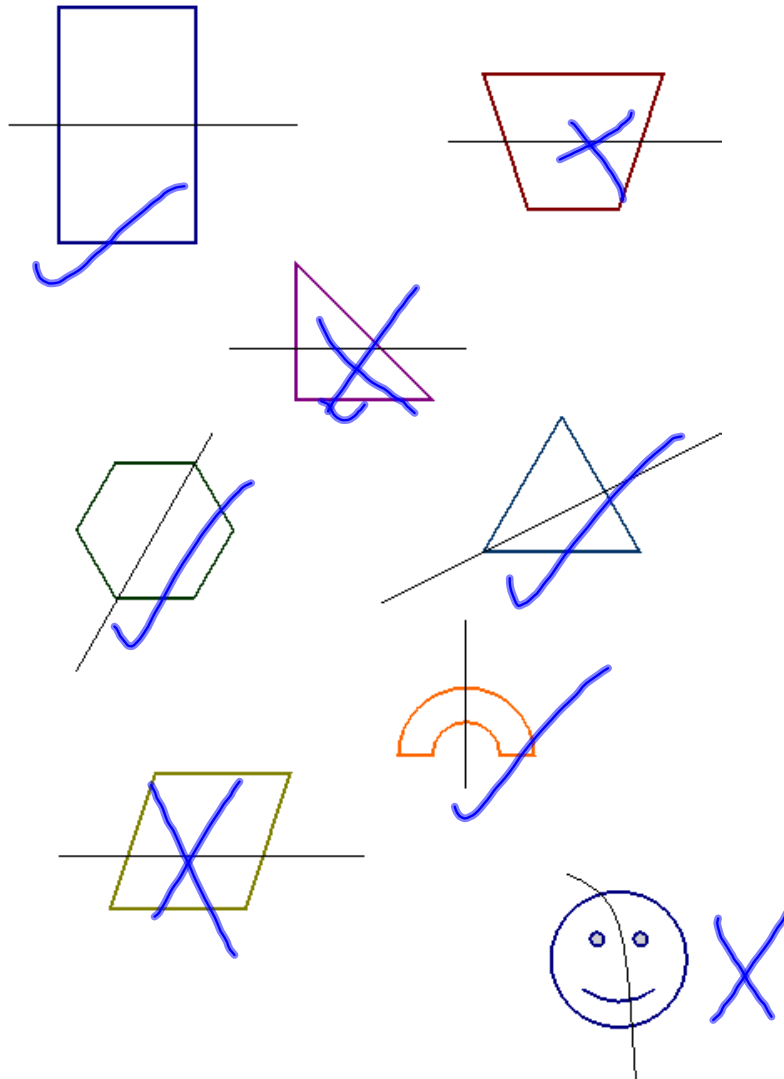


Shade one quarter of each shape

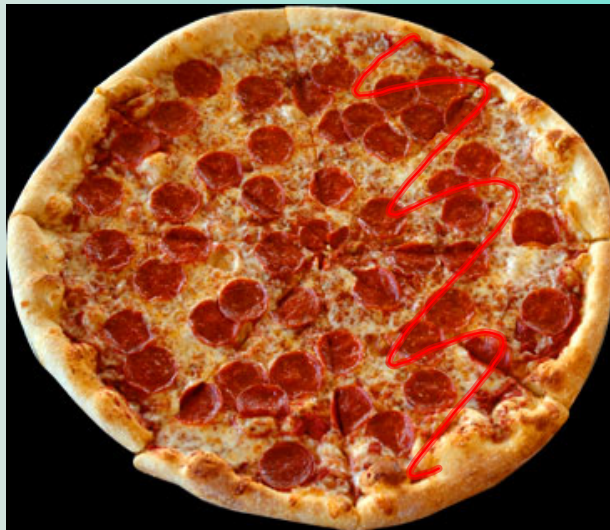


Is it really half?



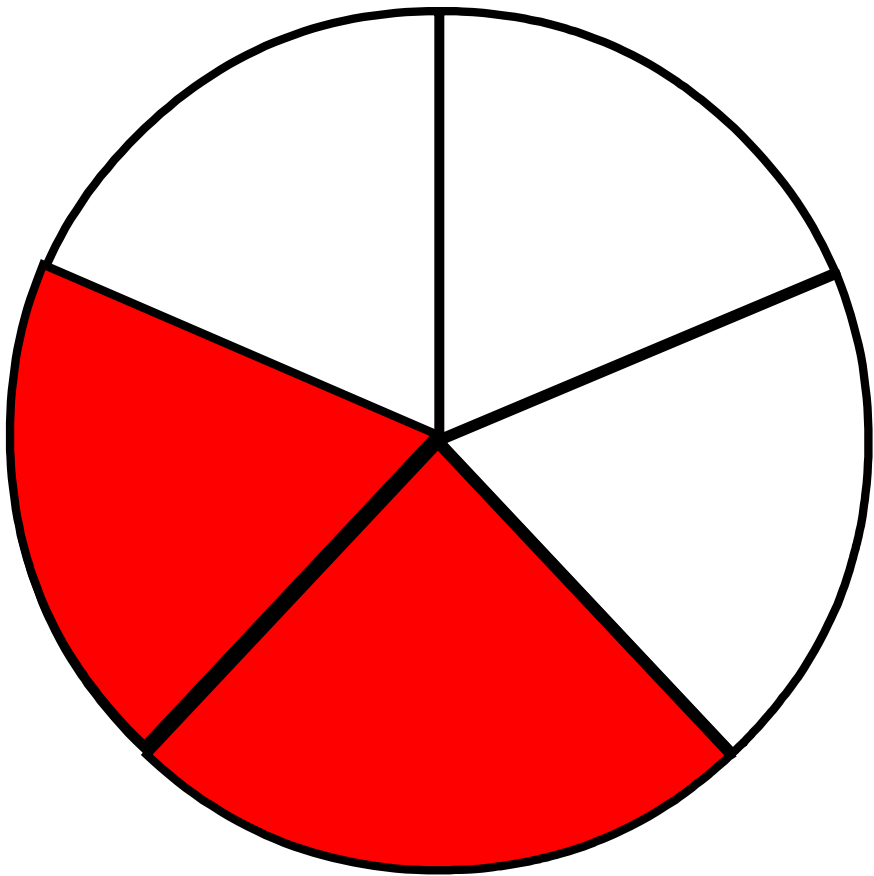
page 154 A1,A2

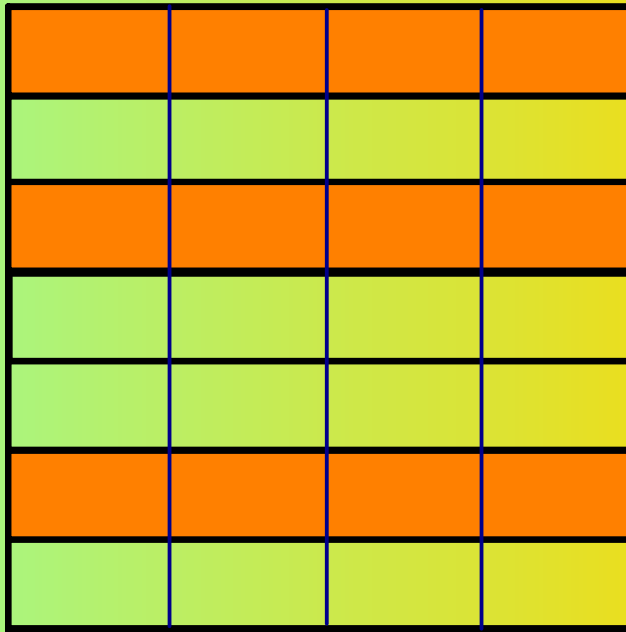
Equivalent fractions



$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$$

Would you prefer one half or two quarters?





$$\frac{5}{7}$$

$$\frac{7}{10}$$

$$= \frac{14}{20} = \frac{28}{40}$$

$$\frac{10}{100} = \frac{2}{20} = \frac{1}{10}$$

Handwritten work showing the conversion of 7/10 to 14/20, 28/40, and 10/100, and the conversion of 10/100 to 2/20 and 1/10. Arrows and division symbols (÷) indicate the steps: 7/10 is multiplied by 2 to get 14/20, then by 2 to get 28/40. 10/100 is divided by 5 to get 2/20, then by 2 to get 1/10.

Cancelling Fractions

$$\frac{20}{25} = \frac{4}{5}$$

(Handwritten: 20 and 25 are crossed out with a blue slash, and 5 is written above 20 and below 25. The result is 4/5.)

$$\frac{6}{18} = \frac{2}{6} = \frac{1}{3}$$

(Handwritten: 6 and 18 are crossed out with a blue slash, and 3 is written above 6 and below 18. The result is 2/6. Then 2 and 6 are crossed out with a blue slash, and 1 is written above 2 and below 6. The final result is 1/3.)

$$\frac{16}{20} = \frac{4}{5}$$

(Handwritten: 16 and 20 are crossed out with a blue slash, and 4 is written above 16 and below 20. The result is 4/5.)

$$\frac{30}{40} = \frac{3}{4}$$

$$\frac{35}{40} = \frac{7}{8}$$

$$\frac{15}{20} = \frac{3}{4}$$

"Give your answer in its lowest terms"

One number as a fraction of another.

In pairs answer as many of these questions as possible.



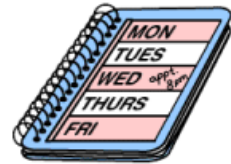
$$\frac{4}{15}$$

Approximately, what fraction of your life have you spent at St Bedes?

What fraction of this class are boys?

$$\frac{11}{21}$$

What fraction of your maths book is written in?



Approximately what fraction of your body length is leg?

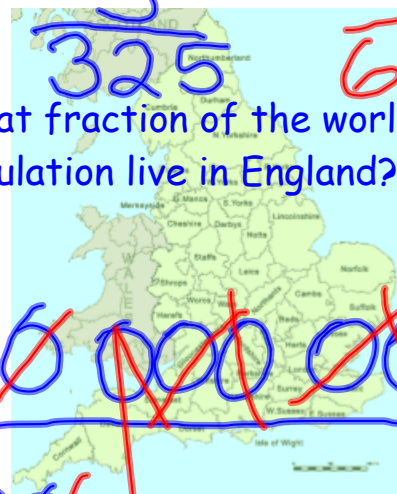


$$\frac{1}{100}$$

$$\frac{3}{5}$$

$$\frac{3}{325} \quad \frac{6}{650}$$

What fraction of the world's population live in England?

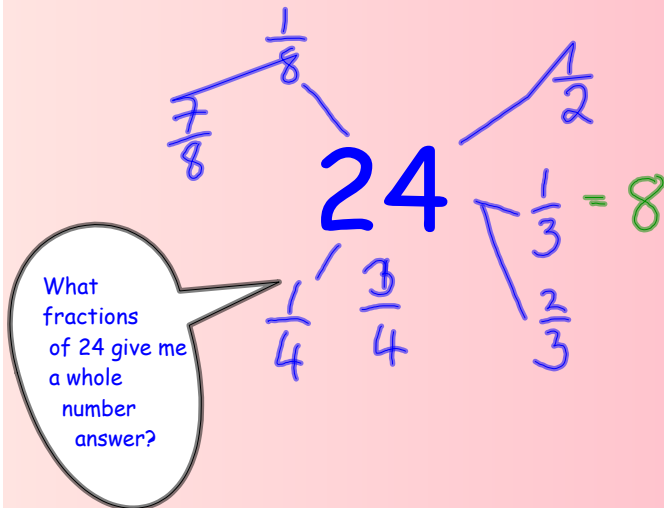


60m

~~$$\frac{60000000}{650000000}$$~~

~~$$6.5b = \frac{65000000}{650000000}$$~~

Finding a fraction of an amount



Find:

$$\frac{2}{3} \text{ of } 30$$

$$\frac{3}{5} \text{ of } 10$$

$$\frac{2}{7} \text{ of } 28$$

$$\frac{1}{7} \text{ of } 28 = 4$$

$$\frac{1}{5} \text{ of } 10 = 2$$

$$\frac{3}{5} \text{ of } 10 = 6$$

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$$\frac{3}{4} \text{ of } 36$$

$$\frac{1}{4} \text{ of } 36 = 9$$

$$\frac{3}{4} \text{ of } 36 = 27$$

$$\frac{2}{3} \text{ of } 180$$

$$\frac{1}{3} \text{ of } 180 = 60$$

$$\frac{2}{3} \text{ of } 180 = 120$$

$$c) \frac{1}{5} \text{ of } 45 = 9$$

$$\frac{2}{5} \text{ of } 45 = 18$$

$$d) \frac{1}{2} \text{ of } 17 = 8.5$$

$$e) \frac{3}{5} \text{ of } 400$$

$$\frac{1}{5} \text{ of } 400 = 80$$

$$\frac{3}{5} \text{ of } 400 = 240$$

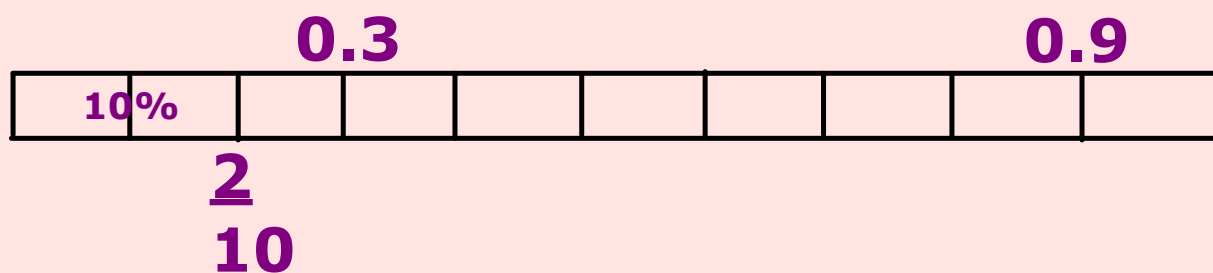
$$f) \frac{1}{2} \text{ of } 51 = 25.5$$

$$g) \frac{3}{8} \text{ of } 320$$

$$\frac{1}{8} \text{ of } 320 = 40$$

$$\frac{3}{8} \text{ of } 320 = 120$$

Fractions, decimals and percentages



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Ext: page 190 C1 - C8

Finding the percentage of an amount

50% have had all
the injections they need

15% cannot read

60% are Asian



7% go to
secondary school

1% are dying of starvation

30% are children

20% are malnourished

10% (almost) are European

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E1-E9

And finally...

Complete:

%			50%		10%	
fraction		$\frac{3}{4}$			$\frac{1}{10}$	$\frac{3}{100}$
decimal	0.9			0.25		

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All about....



$$\begin{array}{r} 35 \\ 7 \\ \hline 245 \end{array}$$

$$\frac{7}{10} = \frac{21}{30} = \frac{14}{20} = \frac{70}{100} \quad \frac{245}{350} = \frac{700}{1000}$$



Ext
4 x 5 rectangle
5 x 8 rectangle
2 x 15 rectangle.