

# Fraction remainders

Choose a number between 80 and 500.

Use halving to divide it by 2, then 4, then 8.

Write your remainders as fractions.

1

2

3

Choose a multiple of 5 between 80 and 500.

Divide it by 10, 5 and 20.

4

5

6

## Short division challenge!

Use short division to solve these calculations.

Write your remainders as fractions.

7  $3187 \div 8$


8  $5296 \div 11$


9  $7236 \div 5$


10  $6217 \div 7$


11  $8123 \div 6$


$$2561 \div 9$$

			2	8	4	r	$\frac{5}{9}$	
	9	2	5	76	41			

Look at the divisor to help you work out what the fraction remainder will be.



## Short division challenge!

- 12** There are 7612 space lasers in the galaxy.  
9 aliens need to find them. If the aliens find all the lasers, how many will they have each?  
Show your working.



## Fractions of amounts

Calculate these fractions of amounts.

Remember to divide by the denominator (bottom) then multiply by the numerator (top).



- |  |   |   |
|--|---|---|
| <b>13</b> $\frac{2}{5}$ of 45 = <input type="text"/> | <b>16</b> $\frac{9}{11}$ of 88 = <input type="text"/> | <b>19</b> $\frac{5}{8}$ of 64 = <input type="text"/>    |
| <b>14</b> $\frac{3}{7}$ of 63 = <input type="text"/> | <b>17</b> $\frac{4}{9}$ of 99 = <input type="text"/>  | <b>20</b> $\frac{5}{12}$ of 60 = <input type="text"/>   |
| <b>15</b> $\frac{5}{6}$ of 72 = <input type="text"/> | <b>18</b> $\frac{7}{10}$ of 60 = <input type="text"/> | <b>21</b> $\frac{13}{20}$ of 120 = <input type="text"/> |

I found this:



Easy



Challenging



I needed help