

Quick Start Date \_\_\_\_\_

1. Which is bigger?

1/3 or 13/15

4/5 or 4/6

75% or 3/4

2.  $3.45 + 107 + 3956 =$

3.  $4/6 \times 2/4 =$  \_\_\_\_\_

4.  $2/6 + 2/3 =$  \_\_\_\_\_

5. 25% of £60.00 = \_\_\_\_\_

6. 50 % of 80m = \_\_\_\_\_

7. 90% of 660kg = \_\_\_\_\_

8. Order the fractions

1/2   4/6   1/3   9/12

Fractions	Decimals	Percentages
1/10		
	0.2	
1/4		
		30%
2/5		
1/2	0.5	50%
		60%
	0.7	
		75%
8/10		
	0.9	
1/1		

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$\frac{4}{5}$  or  $\frac{5}{7}$

$1\frac{2}{3}$  or  $\frac{2}{4}$

50% or  $\frac{1}{4}$

2.  $5.15 + 9071 + 8956 =$

3.  $\frac{1}{6} \times \frac{5}{7} =$  \_\_\_\_\_

4.  $\frac{1}{3} + \frac{4}{9} =$  \_\_\_\_\_

5. 25% of £80.00 = \_\_\_\_\_

6. 50% of 40m = \_\_\_\_\_

7. 10% of 920kg = \_\_\_\_\_

8. Order the fractions

$\frac{1}{2}$   $\frac{5}{6}$   $\frac{2}{3}$   $\frac{5}{12}$

9. For every 2 apples there are 20 oranges. If a box contains 5 apples, how many oranges will there be? \_\_\_\_\_

10. A class contains 30 pupils, for every 9 boys there are 1 girl. How many boys are there in total? \_\_\_\_\_ How many girls? \_\_\_\_\_

11. A square has a perimeter of 16m. What is the length of each side?

12. Convert the following:

150m = \_\_\_\_\_ cm      19L = \_\_\_\_\_ ml

102m = \_\_\_\_\_ cm      8000g = \_\_\_\_\_ kg

18mm = \_\_\_\_\_ cm      8km = \_\_\_\_\_ m

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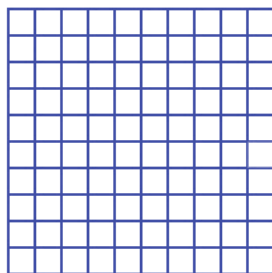
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1.  $3.6 \div 6 = \underline{\hspace{2cm}}$
2.  $12.26 \div 4 = \underline{\hspace{2cm}}$
3.  $12 \frac{1}{3} \times 4 = \underline{\hspace{2cm}}$
4.  $5.15 + 9071 + 8956 = \underline{\hspace{2cm}}$
5.  $14 \times \underline{\hspace{2cm}} = 14000$
6.  $\underline{\hspace{2cm}} \times 20 = 2600$
7.  $80 \times \underline{\hspace{2cm}} = 6400$
8.  $11 \times 4 \frac{2}{3} = \underline{\hspace{2cm}}$
9. Colour in 30% in blue.



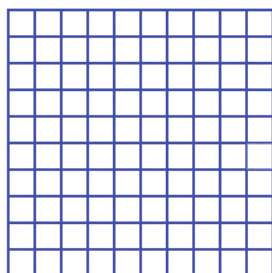
What is this as a fraction?

10. Colour in 12% in red.  
What is this as a fraction?

9. For every 6 apples there are 4 oranges. If a box contains 12 apples, how many oranges will there be? \_\_\_\_\_
10. A class contains 60 pupils, for every 9 boys there are 1 girl. How many boys are there in total? \_\_\_\_\_ How many girls? \_\_\_\_\_
11. A square has a perimeter of 32m. What is the length of each side?
12. Convert the following:  
 $156\text{m} = \underline{\hspace{2cm}} \text{ cm}$        $18\text{L} = \underline{\hspace{2cm}} \text{ ml}$   
 $12\text{m} = \underline{\hspace{2cm}} \text{ cm}$        $6000\text{g} = \underline{\hspace{2cm}} \text{ kg}$   
 $180\text{mm} = \underline{\hspace{2cm}} \text{ cm}$        $9\text{km} = \underline{\hspace{2cm}} \text{ m}$

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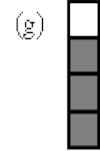
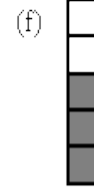
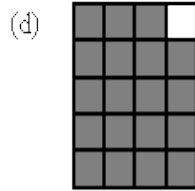
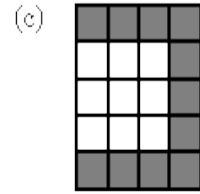
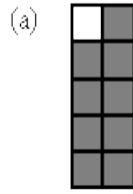
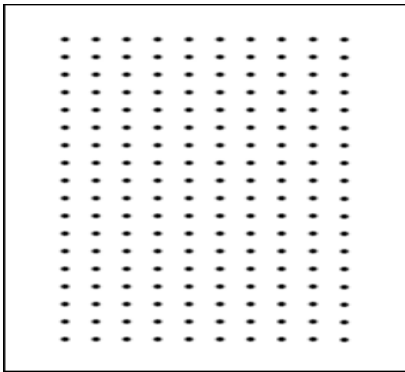
1. In a bag of apples, there 2 green and 4 red.

If there were 32 apples, how many would be green?

2. Two numbers make 1. One of the numbers is 0.456. What is the other number? \_\_\_\_\_

3.  $\frac{3}{4}$   $\frac{5}{8}$   $\frac{6}{12}$   $\frac{7}{16}$   
\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

4. Join the dots to make a quadrilateral with 3 acute angles.



What fraction is coloured?

What percentage?

**A=9/10 90%** B = \_\_\_\_\_ C = \_\_\_\_\_ D = \_\_\_\_\_ E = \_\_\_\_\_

F = \_\_\_\_\_ G = \_\_\_\_\_

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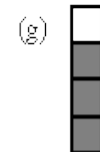
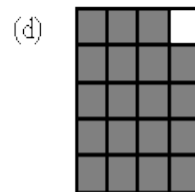
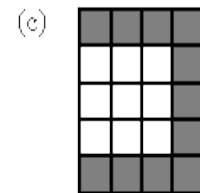
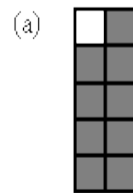
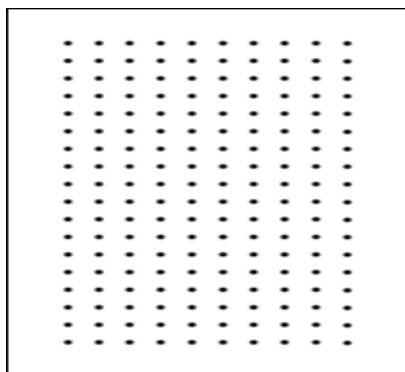
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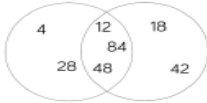
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- $34 \times \underline{\quad} = 340$
- $\underline{\quad} \times 1000 = 67$
- $\underline{\quad} \times 10 = 20 \times 5$
- $4.56 \times 100 = \underline{\quad}$
- $78.78 \times 1000 = \underline{\quad}$
- $45 \times 2 = 45 + \underline{\quad}$
- $81 + 345 = 2 \times \underline{\quad}$

Work out the headings for the Venn diagram.



Add in one more number to each section.

Can you think of a multiple of 6 and 8 that is a square number?

This table shows squared and cubed numbers. Complete the table. Explain the relationships you can see between the numbers.

	$3 \times 3$		$3^3$		27
		25	$5^3$		
$6^2$				$6 \times 6 \times 6$	
	$4 \times 4$		$4^3$		

Place 5 odd and 5 even numbers in the diagram below.

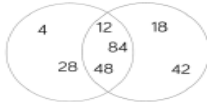
	Not cubed	Cubed
Over 100		
100 or less		

Put at least one number in each section.

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