

MATHS REVISION

NUMBER RECOGNITION

Which of the following numbers are prime?

27, 13, 87, 65, 34, 97, 56

.....

What is 10545 in written form?

.....

Write three hundred and forty thousand, one hundred and forty four as a number.

.....

Work out the following:

$12+5 =$

$31+59 =$

$234+98 =$

$67+313 =$

$18-12 =$

$73-58 =$

$145-89 =$

$1583-367 =$

$8 \times 9 =$

$11 \times 4 =$

$15 \times 10 =$

$100 \times 1000 =$

$21 \div 3 =$

$66 \div 11 =$

$96 \div 8 =$

$4000 \div 40 =$

The outside temperature reads as $+4^{\frac{5}{8}}^{\circ}\text{C}$ on a thermometer. The temperature drops by 9°C . What does the thermometer now read?

.....

Show how you calculated this on a number line.



PERCENTAGES



Work out the following percentages. Round to nearest whole number.

37% of £3

17% of 64

5% of 2932

89% of 54685

What are the following values as percentages?

21 out of 56

132 out of 1320

45 out of 50

6 out of 10

Express the following as a percentage:

0.54 0.32 0.03

$\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{4}$

FRACTIONS

$$\frac{24 \div 2}{40 \div 2} = \frac{12}{20}$$

or $\frac{24 \div 4}{40 \div 4} = \frac{6}{10}$

or $\frac{24 \div 8}{40 \div 8} = \frac{3}{5}$

Write the following fractions in their simplest terms:

$\frac{4}{8}$ $\frac{3}{12}$ $\frac{20}{100}$

$\frac{5}{25}$ $\frac{78}{780}$ $\frac{32}{64}$

Work out the following:

$\frac{1}{2} + \frac{1}{2} = \dots\dots\dots$ $\frac{1}{3} + \frac{1}{3} = \dots\dots\dots$ $\frac{3}{4} + \frac{3}{4} = \dots\dots\dots$

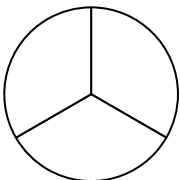
$\frac{2}{5} + \frac{3}{7} = \dots\dots\dots$ $\frac{3}{2} + \frac{4}{3} = \dots\dots\dots$ $\frac{8}{9} + \frac{5}{6} = \dots\dots\dots$

Show the following as decimals:

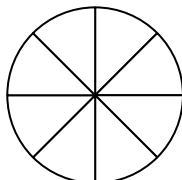
$\frac{1}{4}$ $\frac{2}{5}$ $\frac{1}{20}$ $\frac{1}{25}$

Shade in the relevant fraction

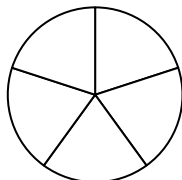
$\frac{1}{3} =$



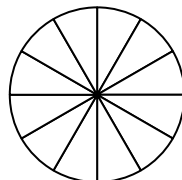
$\frac{3}{8} =$



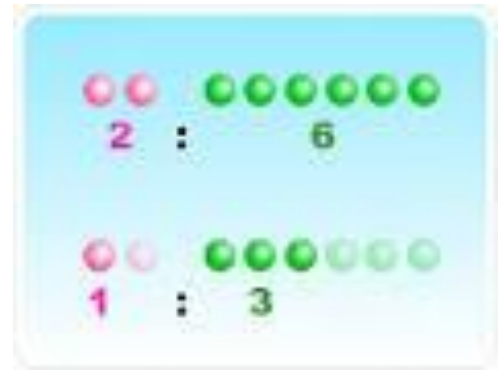
$\frac{4}{5} =$



$\frac{7}{12} =$



RATIOS AND PROBABILITY



A class of art students contain 6 boys and 16 girls. Express this as a ratio in its lowest form.

.....

The ratio of a simple sponge cake is 2:2:2:1 i.e. 2 oz flour, 2 oz sugar, 2 oz butter, 1 egg. If the recipe requires 8 oz of butter, how much:

Flour =

Egg =

If I throw a coin, what is the probability of getting heads?

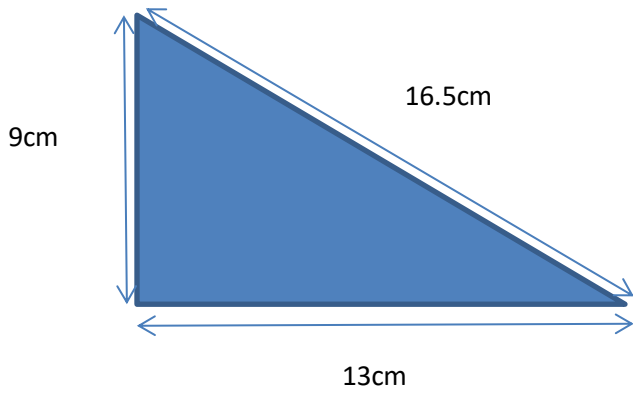
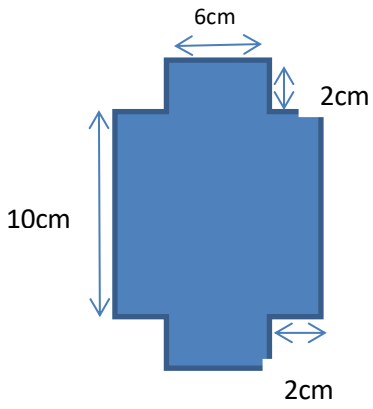
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136 people voted in a club election and 76 were female, what would the probability of a random ballot ticket drawn being that of a female?

.....

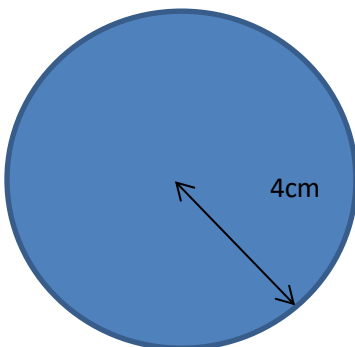
PERIMETER

Find the perimeter of the following shapes:

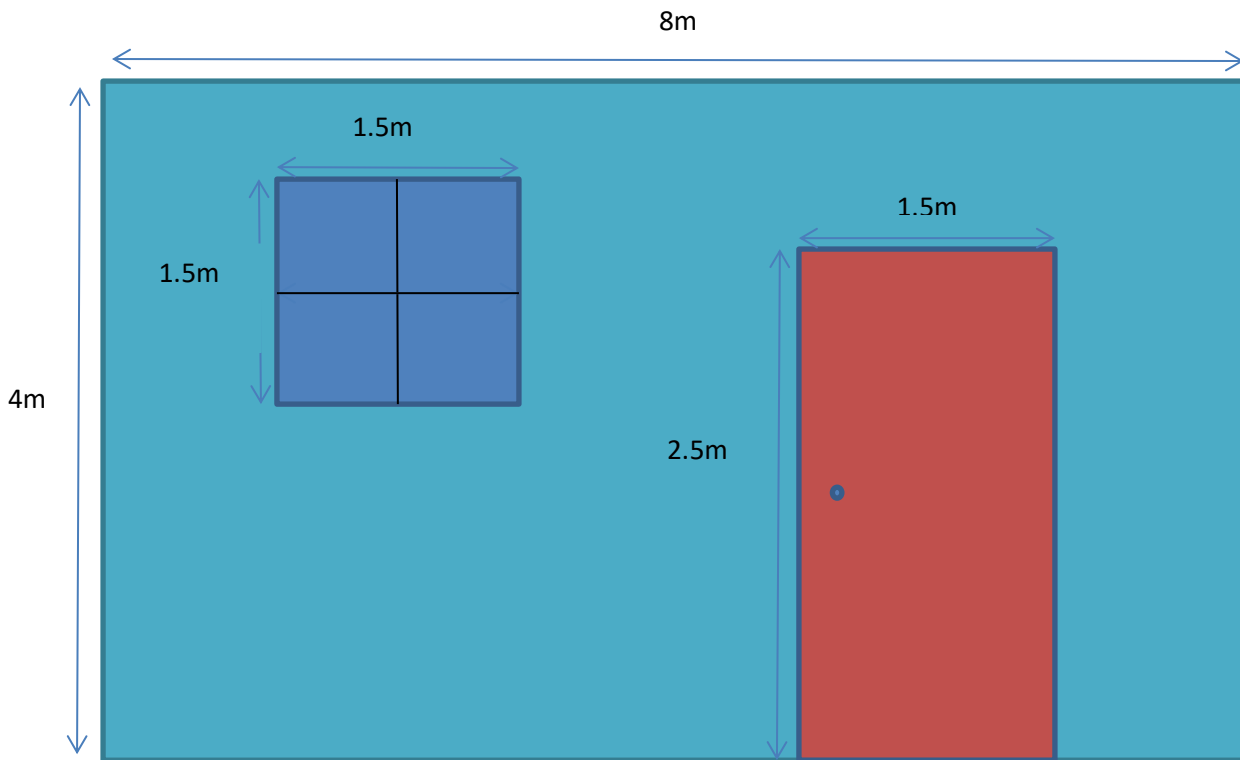


Perimeter of a circle is $2 \times \text{radius} \times \pi$

$\pi = 3.142$



Find the area of the wall below minus the door and the window:



Area =

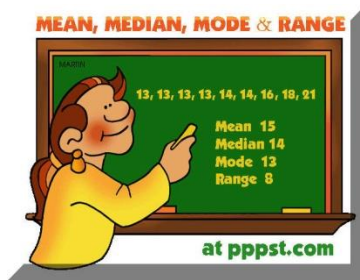
If a tin of paint covers 15m^2 , how many tins will I need to paint the whole wall once?

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Each tin costs £15.99, how much will the paint cost in total?

.....

MEAN, MODE, MEDIAN AND RANGE



What is the mean of the following list of numbers? Round up to the nearest whole number.

25, 16, 7, 21, 12, 8, 8, 16, 13, 16, 9

.....

What is the mode?

.....

What is the range?

.....

Put the list in sequence with the smallest value first, the largest last.

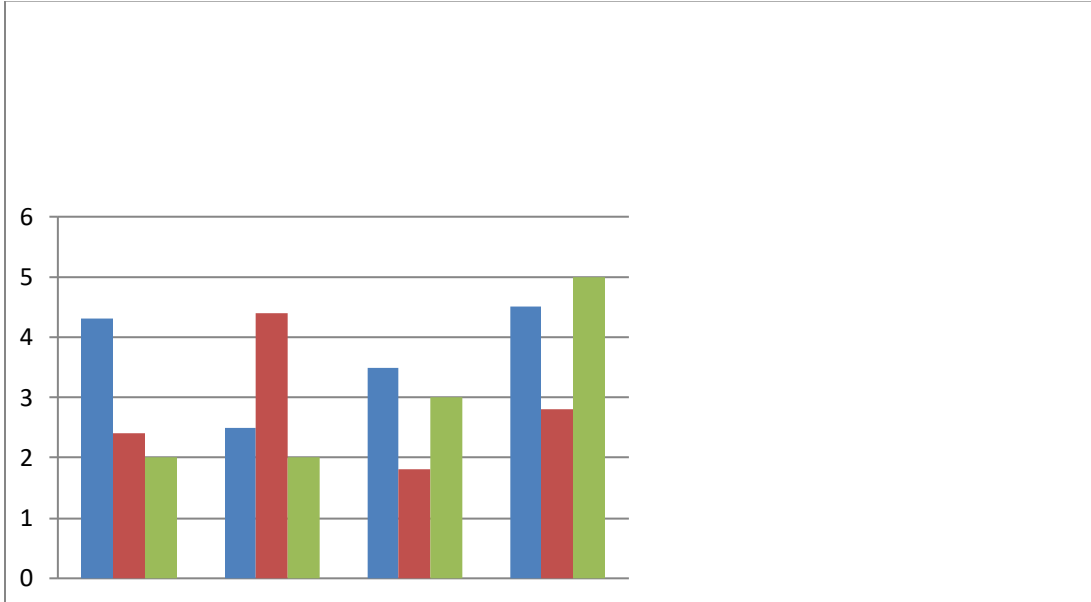
.....

What is the median?

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GRAPHS AND CHARTS

What is missing from the following chart?



Display the information below in a relevant bar chart:

The following table shows the number of cakes sold in a week.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Chocolate Cake	12	8	10	7	13	14	14
Victoria Sandwich	9	10	7	5	14	11	12
Ginger Cake	7	9	8	4	7	8	10
Coffee and Walnut	8	7	9	5	8	9	11
Carrot Cake	10	7	10	6	9	8	10
Pavlova	9	11	12	7	10	12	10

