

# Guidance and mark schemes for mathematics: Year 6

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## Mark scheme Set A: Paper 2

Q	Answers	Marks
<b>1</b>	$\frac{23}{100}$	1
<b>2</b>	56 16 more blackbirds than robins	1 1
<b>3</b>	$\begin{array}{r} 6752 \\ + 3300 \\ \hline 10052 \end{array}$	1
<b>4</b>	Award 1 mark for a line drawn with a ruler, accurate to within 2mm of centre point and circumference. (Do not reward a mark for line drawn across the full width.) 4cm (Accept any answer between 4.4cm and 4.6cm.)	1 1
<b>5</b>	396	1
<b>6</b>	Enlarged square should be 9cm on each side. (Only allow 2mm variation for side lengths, and 2 degrees variation for angles.)  81cm <sup>2</sup> (Units must be given correctly.)	1 1
<b>7</b>	4425 hours (Accept answer without units, or as a negative number.)  Uranus and Neptune	1 1
<b>8</b>	$\frac{3}{14}$	1
<b>9</b>	12,364    22,364 <b>32,364</b> <b>42,364</b> <b>52,364</b> 62,364	1
<b>10</b>	718,859 (Accept answer given in words or digits.)  Award one mark for a correct written method but with one arithmetic error.	2
<b>11</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>rhombus</p> <p>parallelogram</p> <p>trapezium</p> <p>square</p> </div> <div style="width: 45%; border-left: 1px solid black; padding-left: 10px;"> <p>Two pairs of parallel sides. Opposite sides of equal length. Opposite angles equal.</p> <p>Four identical sides. Four identical angles.</p> <p>Two pairs of parallel sides. All sides of identical length. Opposite angles equal.</p> <p>One pair of parallel sides. No sides of equal length.</p> </div> </div>	1

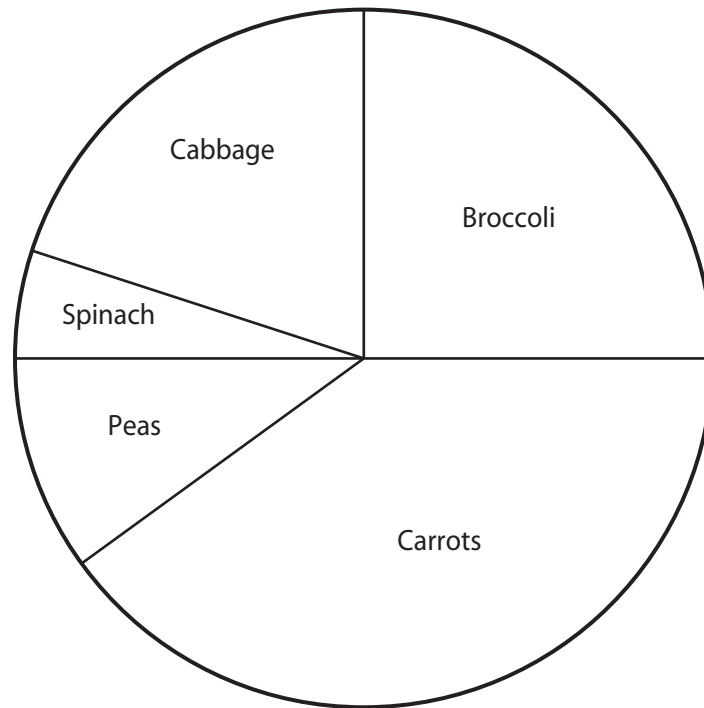




**20.**

A local supermarket does a survey to find out what the most popular vegetable. They ask 400 people.

They use the information to draw an accurate pie chart.



Complete the table below. The first one has been done for you.

Vegetable	Angle	Percentage	Number of people
Broccoli	90°		
Carrots	144°		
Peas	36°		
Spinach	18°		
Cabbage	72°		
<b>Total</b>			

Marks

2