**Angles around a point, on a line and in triangle GREEN**

Complete the sheet!

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| Question | Answer | Reason |
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**Angles around a point, on a line and in triangle AMBER**

Complete the reasons and use them to fill in the answers

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| --- | --- | --- |
| Question | Answer | Reason |
|  |  | Angles on a straight line… |
|  |  | Vertically opposite angles… |
|  |  | Angles around a point… |
|  |  | Angles in a triangle… |
|  |  | Angles in a triangle… |
|  |  | Equilateral triangles…  Angles in a triangle…  Angles on a straight line… |
|  |  | Angles on a straight line…  Angles in a triangle… |
|  |  | Isosceles triangles…  Angles in a triangle…  Angles on a straight line… |

**Angles around a point, on a line and in triangle RED**

Cut out and match the question, answer and reason.

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| Question | Answer | Reason |
|  | 28° | Angles in a triangle add up to 180° |
|  | 58° | Angles on a straight line add up to 180° and angles in a triangle add up to 180° |
|  | 54° | Angles around a point add up to 360° |
|  | 40° | Isosceles triangles have two equal angles and angles in a triangle add up to 180° and angles on a straight line add up to 180° |
|  | 111° | Vertically opposite angles are equal |
|  | 150° | Angles in a triangle add up to 180° |
|  | 120° | Angles on a straight line add up to 180° |
|  | 150° | Equilateral triangles have all equal angles and angles in a triangle add up to 180° and angles on a straight line add up to 180° |

**ANSWERS!!**

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| --- | --- | --- |
| Question | Answer | Reason |
|  | 150° | Angles on a straight line add up to 180° |
|  | 54° | Vertically opposite angles are equal |
|  | 150° | Angles around a point add up to 360° |
|  | 28° | Angles in a triangle add up to 180° |
|  | 40° | Angles in a triangle add up to 180° |
|  | 120° | Equilateral triangles have all equal angles and angles in a triangle add up to 180° and angles on a straight line add up to 180° |
|  | 58° | Angles on a straight line add up to 180° and angles in a triangle add up to 180° |
|  | 111° | Isosceles triangles have two equal angles and angles in a triangle add up to 180° and angles on a straight line add up to 180° |