6.6 Pie Charts: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A pie chart is drawn for 40 people. A sector is 198 degrees. How many people does this sector represent?

(2)

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2 A pie chart shows the colours of cars in a car park. 25% of the cars are blue. What is the angle in degrees for the blue sector?

(1)

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3 A pie chart shows how 30 pupils get to school. The angle for walking is 84°. What percentage walk? Give your answer to the nearest whole number if needed.

(2)

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4 A pie chart shows how 120 pupils travel to school. The angle for bus is 90° and the angle for cycle is 20°. The only other method is car. Work out the angle for car.

(2)

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5 A pie chart shows how 180 pupils travel to school. The angle for train is 30°. How many pupils travel by train?

(2)

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Mark scheme · 6.6 Pie Charts: 10-minute Pack

Question 1

uses 198/360 × 40 or equivalent method	**M1**
22 cao	**A1**

Answer: **22**

Question 2

90 degrees cao	**B1**

Answer: **90 degrees**

Question 3

84/360	**M1**
23% cao	**A1**

Answer: **23%**

Question 4

360 - 90 - 20	**M1**
250° cao	**A1**

Answer: **250°**

Question 5

30/360 x 180	**M1**
15 cao	**A1**

Answer: **15**

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