

## 6th class: Items used in the Main Study

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S1. Which of these is the best estimate of  $8.61 \times 22$ ?

- A  $8 \times 20$
- B  $10 \times 22$
- C  $9 \times 20$
- D  $9 \times 25$

j004

**66% of pupils answered this item correctly**

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S2.  $2.25 \times 0.4 =$

j005

**23% of pupils answered this item correctly**

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S3. Which of these tells how to get the missing number in this sequence?

1, 2, 5, 10, 17, \_\_\_

- A Add 7 to the last number
- B Double the last number
- C Add the last two numbers
- D Add 9 to the last number

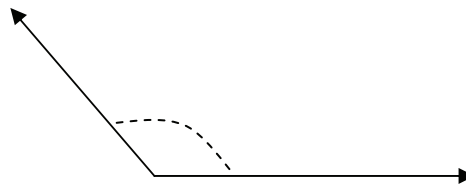
j047

**63% of pupils answered this item correctly**

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S4. What type of angle is this?

- A Acute angle
- B Obtuse angle
- C Right angle
- D Reflex angle



j062

**85% of pupils answered this item correctly**

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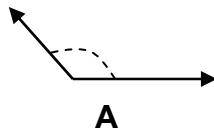
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- S5. On Thursday the Euro was worth 1.50 dollars on the currency market. A month later the Euro was worth 1.20 dollars. What was the percentage decrease in the value of the Euro over the month?

j071

**23% of pupils answered this item correctly**

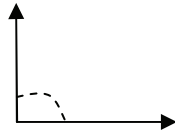
- S6. Circle the letter under the angle that is about 135 degrees.



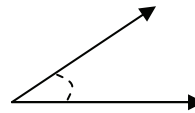
A



B



C



D

j088

**75% of pupils answered this item correctly**

- S7. 9 children at a party each drank 350 ml of lemonade. How much lemonade was left from these two 2 litre containers?

 ml

j115

**47% of pupils answered this item correctly**

- S8. Which of these is true of all scalene triangles?

- A They have two equal sides
- B They have an angle greater than a right-angle
- C They have no right angles
- D They have no sides equal

j130

**44% of pupils answered this item correctly**

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The principal gave a quiz to all pupils in 6th class. It had 20 questions with one mark for each correct answer. The results are shown in the table. Use the table to answer questions 15 to 17.

<b>Score out of 20</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>No. of pupils</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>1</b>

S9. How many pupils obtained a score of 10?

j140

**80% of pupils answered this item correctly**

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S10. A bag contains 4 red cubes, 6 blue cubes, and 10 green cubes. Without looking, Jenny picks a cube out of the bag. What chance has she of picking a blue cube?

j150

**51% of pupils answered this item correctly**

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