IEA TIMSS 2019

TIMSS 2019 Assessment Frameworks
APPENDIX B

Example Restricted Use Items

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APPENDIX B

Example Restricted Use Items

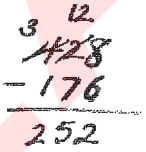
Grade 4 Mathematics

M041291

Subtract:

428 – 176

Answer: 252



M051140

Charlie is 24 years old.

He is ■ years older than Jenny.

Which of the following represents Jenny's age?

● 24 – ■

Ⓑ ■ + 24

Ⓒ ■ – 24

Ⓓ 24 × ■

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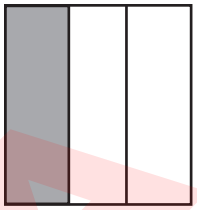
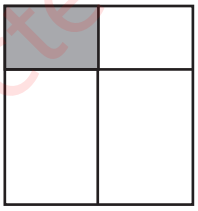
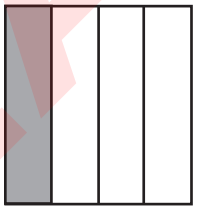
Which rectangle is $\frac{1}{4}$ shaded?

Ⓐ

Ⓑ 

Ⓒ 

● 

M041298

Rule: To find the number in Column B, multiply the number in Column A by 4, then add 1.

Use this rule to fill in the table below.

Column A	Column B
2	9
5	21

$2 \times 4 + 1 = 9$

$5 \times 4 + 1 = 21$

M041124

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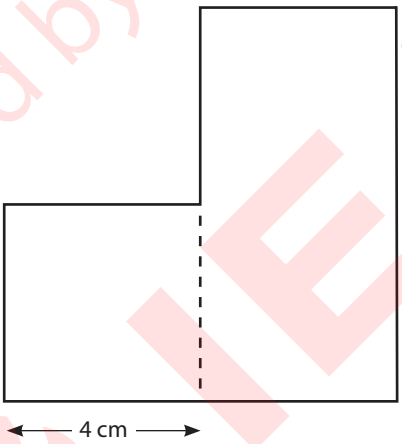
This shape consists of a square and a rectangle.

The width of the rectangle is the same as the width of the square.

The length of the rectangle is twice as long as its width.

Find the perimeter of the shape.



Ⓐ 28 cm

● 32 cm

Ⓒ 36 cm

Ⓓ 40 cm

M051093

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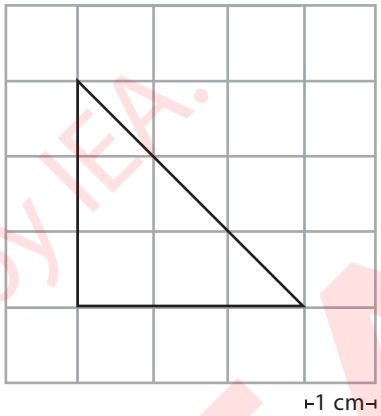

The triangle is on a centimeter grid. What is its area?

- ● 4.5 square centimeters
- Ⓑ 6 square centimeters
- Ⓒ 9 square centimeters
- Ⓓ 9.5 square centimeters

M041264

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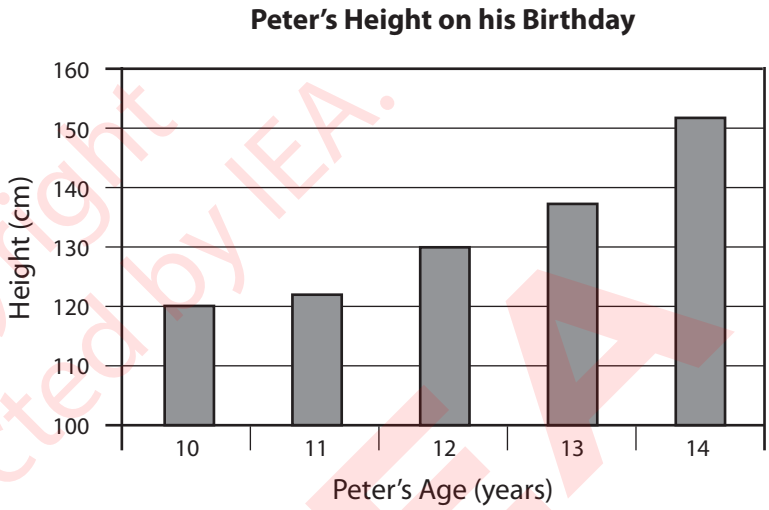

Between which ages did Peter's height increase most?

Ⓐ 10 and 11

Ⓑ 11 and 12

Ⓒ 12 and 13

● 13 and 14

M041191

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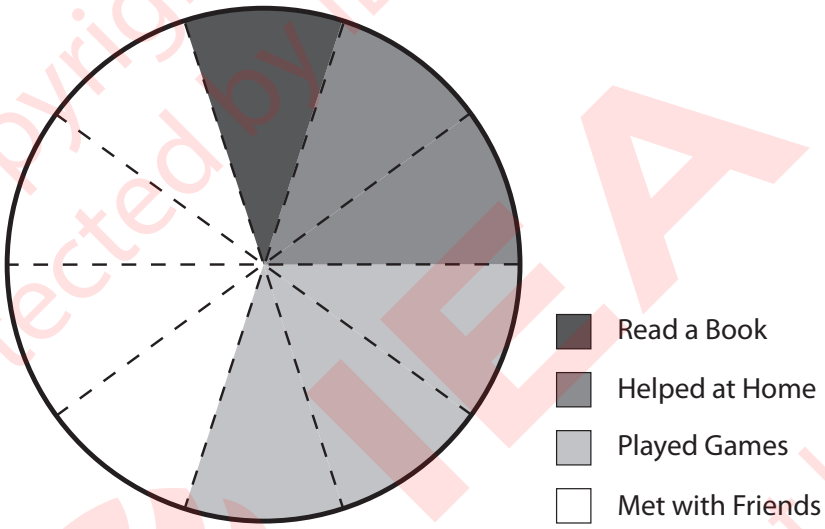
This pie chart shows what some students did after school.

The chart is divided into 10 equal sections.

After-School Activities



20 students read a book. How many met with friends?

Ⓐ 40

Ⓑ 60

● 80

Ⓓ 100

M051077

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