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Which of the following has a value of 12?



$$\frac{4 + 6}{2 + 5}$$

$$\frac{60 - 36}{6 - 4}$$

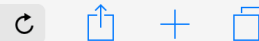
$$\frac{9 \times 96}{24 \div 3}$$

$$\frac{12 \times 8}{2 \times 3}$$

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Sample Test

Time Allowed: 40min
Time Remaining: 00s
37min 54s

Finish Test

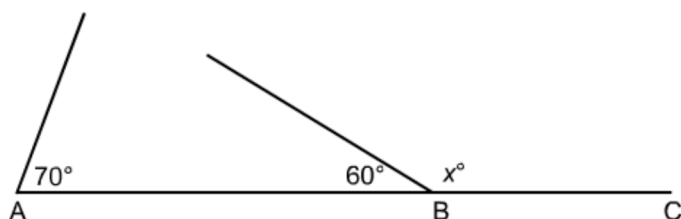
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
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ABC is a straight line.



What is the value of x?

☐ 130

☐ 120

☐ 110

☐ 100

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46s

Next

38s

Next

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Sample Test

Time Allowed: 40min
Time Remaining: 37min 33s

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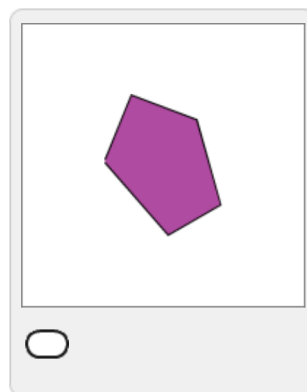
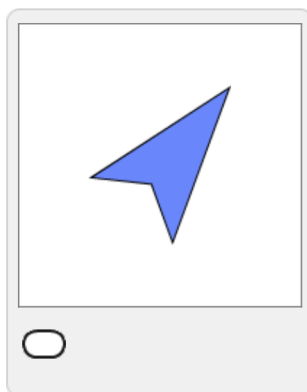
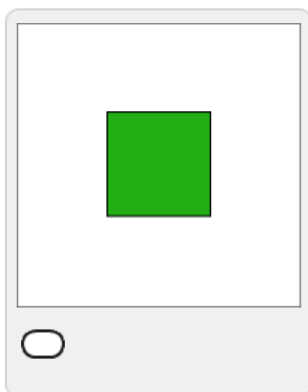
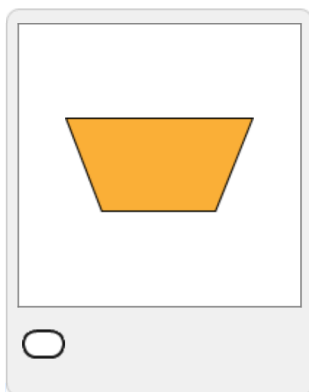
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
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Which of these shapes is **not** a quadrilateral?



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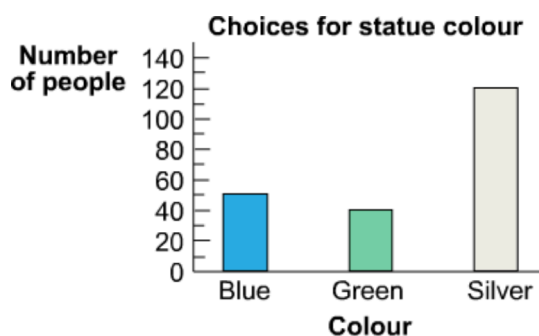
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
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300 people were asked which of four colours they would prefer to see a statue painted. The choices were blue, green, silver or gold. The numbers of people who chose blue, green or silver are shown in the graph.



How many people chose gold?

Please type your answer here...

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YEAR 7 Numeracy Calculator Allowed Test 3

Sample Test

Time Allowed:
Time Remaining:

40min
00s
37min
13s

Finish Test

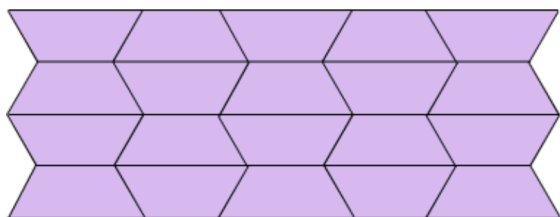
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
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This is an example of a tessellation.



How many different shapes are used in the tessellation?

Please type your answer here...

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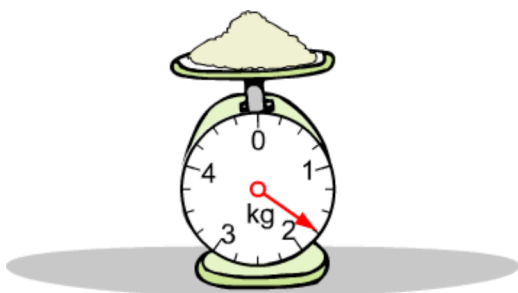
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A set of scales weighs amounts up to 5 kilograms. An amount of flour has already been placed on the scale.



750 g more flour is added to the scale.

What is the weight of flour, in kilograms, on the scales now?

Type your answer into the box in decimal format.

Please type your answer here...

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The number of matches needed to make each row of a pattern of shapes was written in a table.

Number of rows	1	2	3	4	5
Number of matches			8		

Henry spilt tomato sauce on the table and only one of the numbers in the bottom row could be seen.

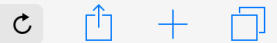
Which could **not** be the rule connecting the number of rows and the number of matches?

Number of matches
= $3 \times$ number of
rows $- 1$

Number of matches
= $2 \times$ number of
rows $+ 2$

Number of matches
= $4 \times$ number of
rows $- 4$

Number of matches
= $5 \times$ number of
rows $- 8$



YEAR 7 Numeracy Calculator Allowed Test 3

Sample Test

Time Allowed: 40min
Time Remaining: 00s
36min 52s

Finish Test

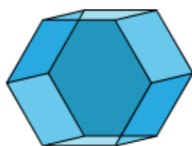
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Which solid is not a prism?



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Time Allowed: 40min
Time Remaining: 00s
36min 44s

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By how much does the product of 5 and 6 exceed their sum?



☐ 19

☐ 26

☐ 41

☐ 45

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Time Allowed: 40min
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36min 36s

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29 30 31 32

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Which is closest in value to 3.7?



☐ 3.6

☐ 3.68

☐ 3.73

☐ 4

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30s

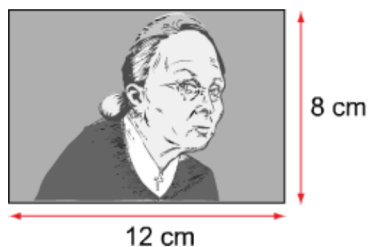
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32

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A photo is 12 cm long and 8 cm wide.



The photo is enlarged so that it is 90 cm long.

How wide (in centimetres) is the enlarged photo?

Please type your answer here...

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An equilateral triangle is cut along one of its axes of symmetry.



What shape are the resulting two parts?

☐ equilateral triangles

☐ isosceles triangles

☐ right-angled triangles

☐ parallelograms

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Four candidates, Xavier, Molly, Armani and Lars, stood for class representative in an election. The numbers of girls and boys who voted for each candidate is shown in the table.

Election results				
Candidate	Xavier	Molly	Armani	Lars
Girls	17	24	38	26
Boys	23	20	37	25

Which statement is correct?

- ☐ More girls voted for Molly than boys voted for Lars.
- ☐ More people voted for Xavier than for Lars.
- ☐ More than twice as many people voted for Armani than for Molly.
- ☐ The number of boys who voted is equal to the number of girls who voted.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32																								

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Orson is two years older than Rhys but three years younger than Katsuya. The sum of all their ages is 37 years.

How old is Orson?

Type the number of years in the box.

Please type your answer here...

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