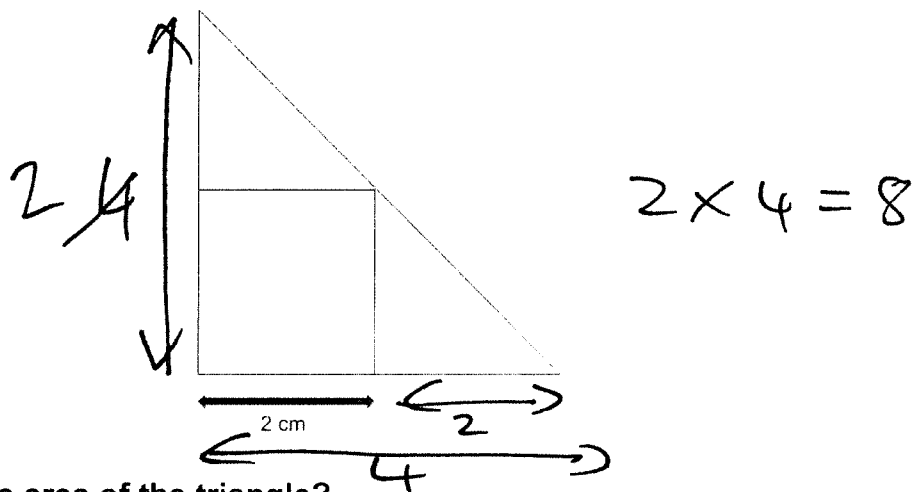


Daily 5: Day 52 Name: _____

1

Look at the diagram below. It is a right-angle triangle with a square inside the triangle. The square has a side length of 2cm. The height and width of the triangle are double the side length of the square.



What is the area of the triangle?

- A 16cm² B 4cm² C 12cm² D 6cm² **E 8cm²**

2

What is half of 12345?

$$\begin{array}{r}
 06172.5 \\
 2 \overline{) 12345.0} \\
 \underline{2} \\
 0 \\
 \underline{12} \\
 0 \\
 \underline{12} \\
 0 \\
 \underline{10} \\
 0
 \end{array}$$

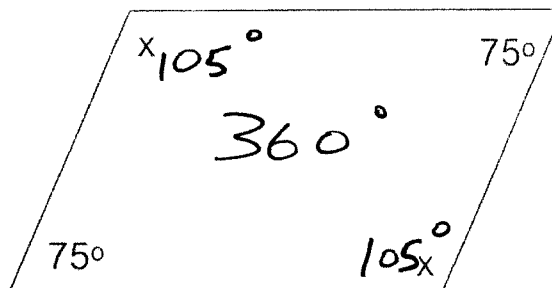
- A 617.25 B 6123 **C 6172.5** D 6172 E 12345

3

Look at the quadrilateral below. It is a parallelogram. Within a parallelogram opposite angles are equal.

$$75 + 75 = 150$$

What is the size of the angle x?



- A 105°** B 210° C 5° D 360° E 180°

$$\begin{array}{r}
 360 \\
 - 150 \\
 \hline
 210 \\
 2 \overline{) 210} \\
 \underline{210} \\
 0
 \end{array}$$

4

There are twenty 2D shapes in a box. In the box there are:

- 2 squares
- 1 circle
- 10 hexagons
- 2 pentagons
- 5 rectangles

- ✓ A. The chance that the shape is a rectangle is $\frac{1}{4}$. $\frac{5}{20} = \frac{1}{4}$
- ✓ B. The chance that the shape is a circle is 5%. $\frac{1}{20} = \frac{5}{100}$
- ✓ C. The chance that the shape is a square is $\frac{1}{10}$. $\frac{2}{20} = \frac{1}{10}$
- ✓ D. The chance that the shape is a hexagon is 50%. $\frac{10}{20} = \frac{1}{2} = 50\%$
- ✗ E. The chance that the shape is a pentagon is 5%. $\frac{2}{20} = \frac{10}{100} = 10\%$

I choose a shape at random from the box.

Which statement is false?

A A

B B

C C

D D

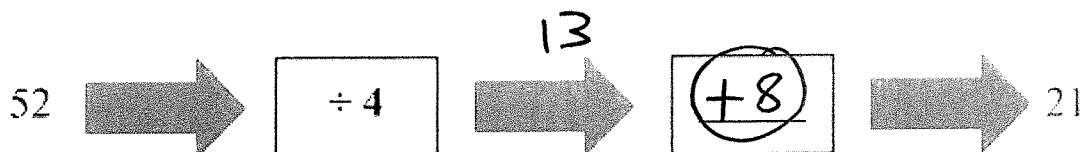
E E

For question 5, you must **circle your answer** in the space provided in the question.

5

Look at the function machine below.

Fill in the missing square to make the calculation correct.



$$52 \div 4 = 13$$

$$13 + \underline{\quad} = 21$$

$$\begin{array}{r} 13 \\ 4 \overline{)52} \end{array}$$

$$\begin{array}{r} 121 \\ -13 \\ \hline 08 \end{array}$$

In this exercise you have to choose the **best** word, or **group of words**, to complete each numbered line so that the passage makes sense and is written in correct English. Choose the best answer and **mark its letter** on your answer sheet.

Grammar Exercise

1 The coach reminded the team that
 both either each none few player must arrive on time for practice.
A B C D E

2 Ben packed an extra jacket
 in order that even if as long as in case despite the weather turned cold.
A B C D E

3 Hannah whispered the answer although because while so that unless
she would not disturb the others.
A B C D E

4 The lights went out; next to however instead meanwhile otherwise
the audience waited quietly in their seats.
A B C D E

5 The puppy followed its owner closer closet some closely close closely
through the busy park.
A B C D E