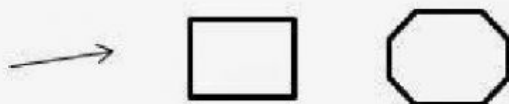


Name: _____ Date: _____

Diagnostic Test
Grade 5
Beginning of Year

Directions: This test is to measure your current math knowledge. Do not worry if you do not know the answers to every question. Do the best you can. Please answer every question.

1. Identify the shapes below.



- A. ray, quadrilateral, hexagon
- B. line, quadrilateral, octagon
- C. ray, quadrilateral, octagon
- D. parallel lines, quadrilateral, hexagon

4.G.A.2

2. What type of angle is shown in the picture below?

- A. acute
- B. obtuse
- C. right
- D. straight



4.G.A.1

3. Sra. Hansen was making copies for her Spanish classes. If she has 28 students in each of her 6 classes, how many copies does Sra. Hansen need to make?

- A. 34 copies
- B. 286 copies
- C. 161 copies
- D. 168 copies

4.OA.A.2

4. Which equation could have been used to create the function table?

X	Y
9	5
4	0
5	1
6	2

- A. $y = x - 4$
- B. $y = x + 1$
- C. $y = x + 6$
- D. $y = 2x + 4$

4.OA.C.5

5. What are the factors of the number 32?

- A. 1, 2, 32
- B. 1, 2, 8, 16, 32
- C. 1, 2, 4, 8, 16, 32
- D. 2, 4, 8, 16, 32

4.OA.B.4

ANGLES ON A STRAIGHT LINE

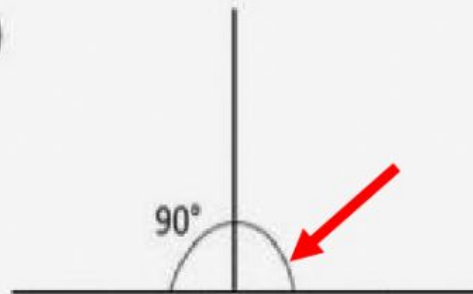


Work out the missing angles. Remember that the angle in a straight line is equal to 180° . The angles are not drawn to scale, so do not try to measure them!

1)



2)



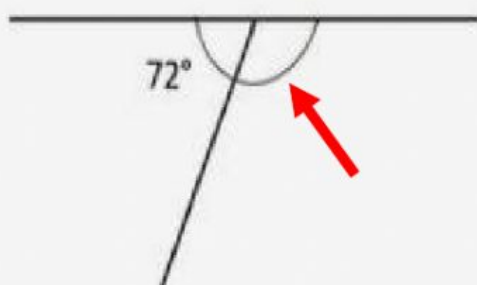
3)



4)



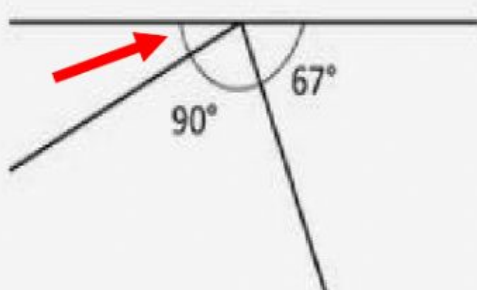
5)



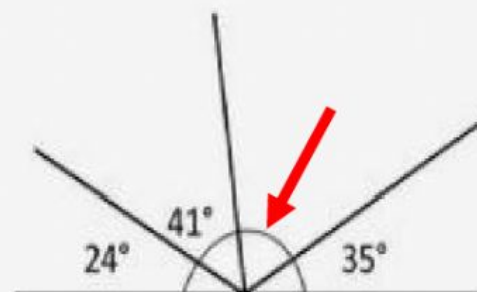
6)



7)

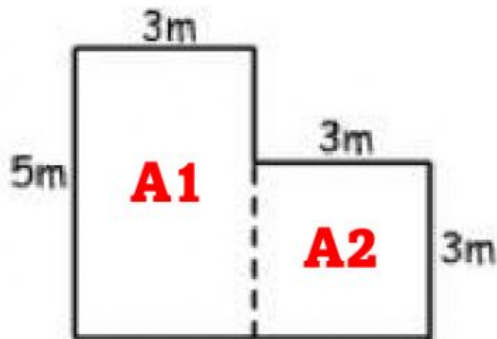


8)



Area

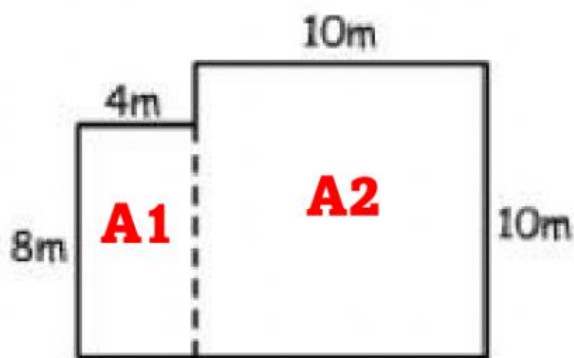
Calculate the total area of these irregular shapes.



$$A1 = \underline{\quad} \times \underline{\quad}$$

$$A2 = \underline{\quad} \times \underline{\quad}$$

$$\text{Total Area} = \underline{\quad} \text{ m}^2$$

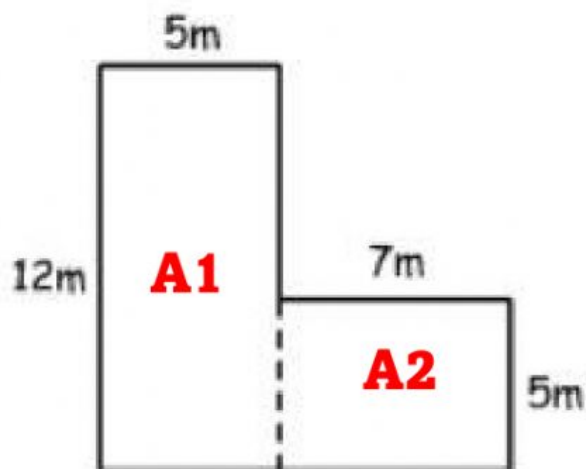


$$A1 = \underline{\quad} \times \underline{\quad}$$

$$A2 = \underline{\quad} \times \underline{\quad}$$

$$\text{Total Area} = \underline{\quad} \text{ m}^2$$

How many square metres of carpet are laid in this house?



$$A1 = \underline{\quad} \times \underline{\quad}$$

$$A2 = \underline{\quad} \times \underline{\quad}$$

$$\text{Total Area} = \underline{\quad} \text{ m}^2$$