Mathematics

Area and Perimeter

Thursday

Find the unknown side and the area of each rectangle.
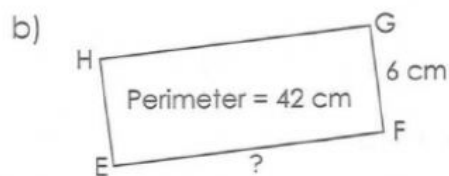
a)

A ——————— D
| |
| Perimeter = 28 cm | ?
| |
B ——————— C
        9 cm
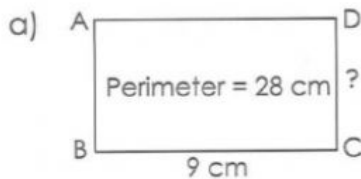
Length + Breadth = 28 ÷ 2
$$= 14 \text{ cm}$$

CD = 14 − 9

$$= \underline{\hspace{2cm}} \text{ cm}$$

Area = \underline{\hspace{2cm}} × \underline{\hspace{2cm}}

$$= \underline{\hspace{2cm}} \text{ cm}^2$$

b)

H ——————— G
| | 6 cm
| Perimeter = 42 cm |
| | F
E ———————
        ?

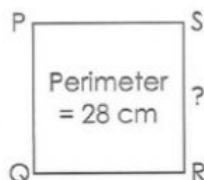Length + Breadth = \underline{\hspace{1cm}} ÷ 2

$$= \underline{\hspace{1cm}} \text{ cm}$$

EF = \underline{\hspace{1cm}} − \underline{\hspace{1cm}}

$$= \underline{\hspace{2cm}} \text{ cm}$$

Area = \underline{\hspace{2cm}} × \underline{\hspace{2cm}}

$$= \underline{\hspace{2cm}} \text{ cm}^2$$

c) PQRS is a square.

P ——————— S
| |
| Perimeter | ?
| = 28 cm |
| |
Q ——————— R

Perimeter divided by 4 = \underline{\hspace{1cm}} ÷ 4

$$= \underline{\hspace{1cm}} \text{ cm}$$

SR = \underline{\hspace{2cm}} cm

Area = \underline{\hspace{2cm}} × \underline{\hspace{2cm}}

$$= \underline{\hspace{2cm}} \text{ cm}^2$$