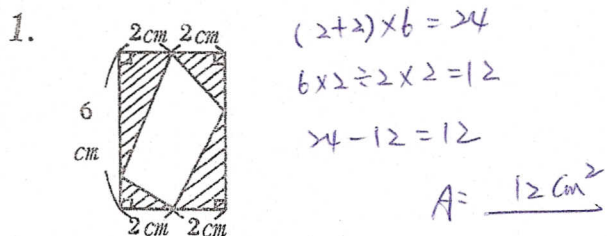
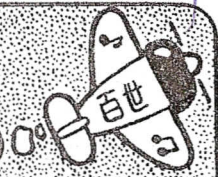


第42回 面積



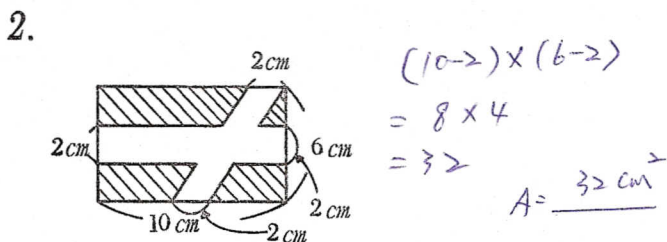
$$(2+2) \times 6 = 24$$

$$6 \times 6 \div 2 \times 2 = 12$$

$$24 - 12 = 12$$

$$A = \underline{12 \text{ cm}^2}$$

斜線部份的面積 = (**12**) cm^2



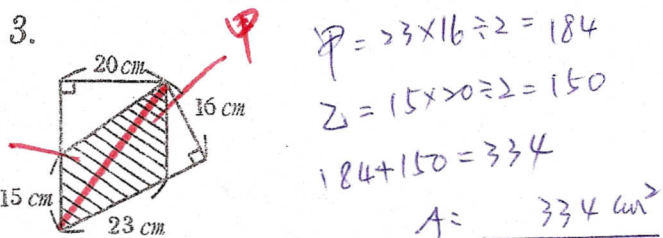
$$(10-2) \times (6-2)$$

$$= 8 \times 4$$

$$= 32$$

$$A = \underline{32 \text{ cm}^2}$$

斜線部份的面積 = (**32**) cm^2



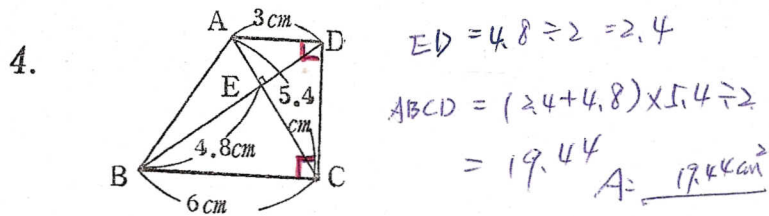
$$\text{甲} = 15 \times 16 \div 2 = 120$$

$$\text{乙} = 15 \times 20 \div 2 = 150$$

$$120 + 150 = 270$$

$$A = \underline{270 \text{ cm}^2}$$

斜線部份的面積 = (**270**) cm^2



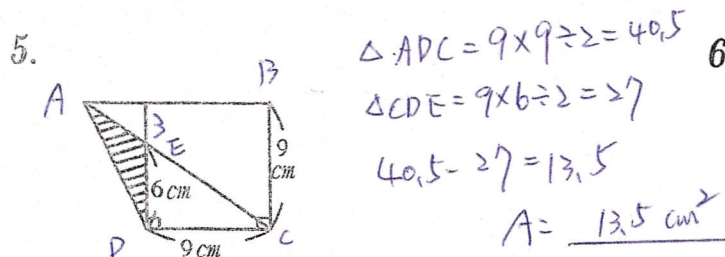
$$ED = 4.8 \div 2 = 2.4$$

$$ABCD = (3 + 6) \times 5.4 \div 2$$

$$= 27$$

$$A = \underline{27 \text{ cm}^2}$$

AD、BC是平行線，面積 = (**27**) cm^2



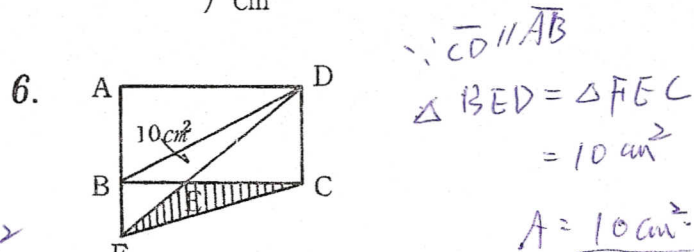
$$\Delta ADC = 9 \times 9 \div 2 = 40.5$$

$$\Delta CDE = 9 \times 6 \div 2 = 27$$

$$40.5 - 27 = 13.5$$

$$A = \underline{13.5 \text{ cm}^2}$$

斜線部份的面積 = (**13.5**) cm^2



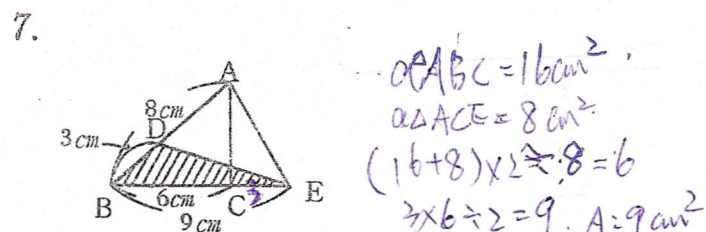
$$\because CD \parallel AB$$

$$\Delta BED = \Delta FEC$$

$$= 10 \text{ cm}^2$$

$$A = \underline{10 \text{ cm}^2}$$

長方形的面積是 50 cm^2 ，斜線部份的面積 = (**10**) cm^2



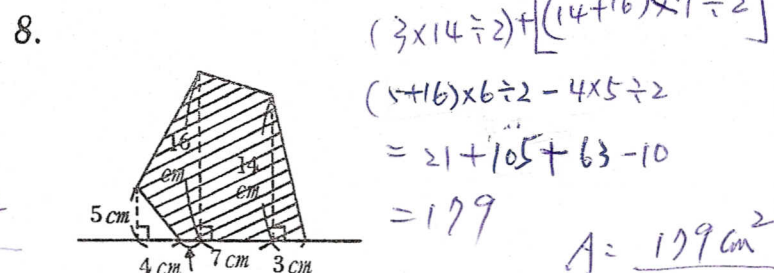
$$S_{\Delta ABC} = 16 \text{ cm}^2$$

$$S_{\Delta ACE} = 8 \text{ cm}^2$$

$$(16 + 8) \times 2 \div 2 = 12$$

$$3 \times 6 \div 2 = 9, A = \underline{9 \text{ cm}^2}$$

三角形ABC的面積是 16 cm^2 ，斜線部份的面積 = (**9**) cm^2



$$(3 \times 14 \div 2) + [(14 + 16) \times 7 \div 2]$$

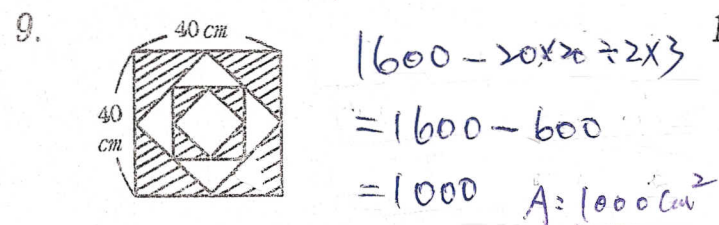
$$(5 + 16) \times 6 \div 2 - 4 \times 5 \div 2$$

$$= 21 + 105 + 63 - 10$$

$$= 179$$

$$A = \underline{179 \text{ cm}^2}$$

斜線部份的面積 = (**179**) cm^2

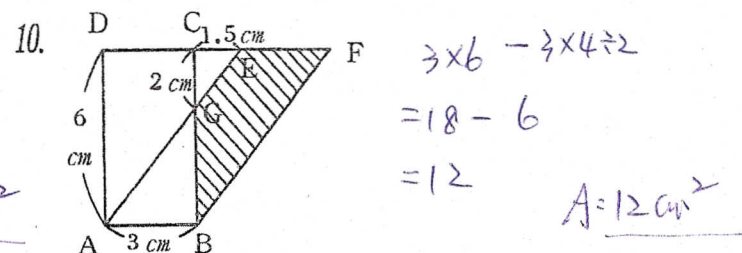


$$1600 - 20 \times 20 \div 2 \times 4$$

$$= 1600 - 800$$

$$= 800, A = \underline{800 \text{ cm}^2}$$

斜線部份的面積 = (**800**) cm^2



$$3 \times 6 - 3 \times 4 \div 2$$

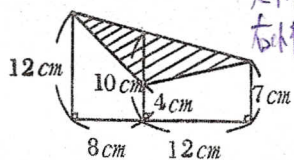
$$= 18 - 6$$

$$= 12$$

$$A = \underline{12 \text{ cm}^2}$$

斜線部份的面積 = (**12**) cm^2

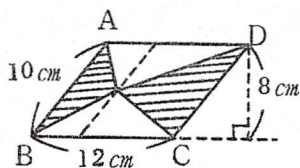
11.



大梯形 = $(11+12) \times (8+12) \div 2 = 190$
 左中梯形 = $(4+12) \times 8 \div 2 = 64$
 右中梯形 = $(4+11) \times 12 \div 2 = 66$
 $190 - 64 - 66 = 60$

斜線部份的面積 = (**60**) cm^2
 $A = 60 \text{ cm}^2$

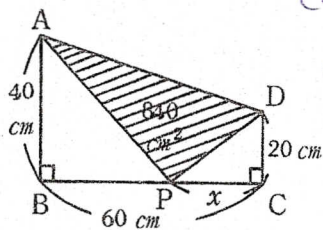
13.



$12 \times 8 = 96$
 $h_2 = 96 \div 10 = 9.6$
 $2 \times \Delta = 10 \times 9.6 \div 2 = 48$
 $96 - 48 = 48$
 $A = 48 \text{ cm}^2$

四邊形 ABCD 是平行四邊形，斜線部份的面積 = (**48**) cm^2

15.

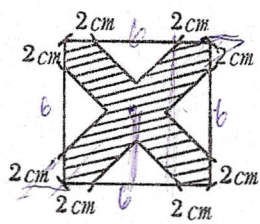


$(20+40) \times 60 \div 2 = 1800$

$1800 - 840 = 960$
 $960 = 20 \times x \div 2 + (60-x) \times 40 \div 2$
 $960 = 10x + (200 - 20x) \div 2$
 $10x = 240, x = 24$
 $A = 24 \text{ cm}$

斜線部份的面積是 840 cm^2
 $x = (\mathbf{24}) \text{ cm}$

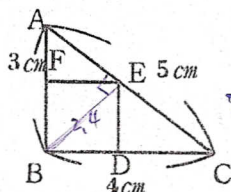
17.



$10 \times 10 = 100$
 $6 \times 6 \div 2 \times 2 = 36$
 $100 - 36 = 64$
 $A = 64 \text{ cm}^2$

正方形邊長為 10 cm，斜線部份的面積 = (**64**) cm^2

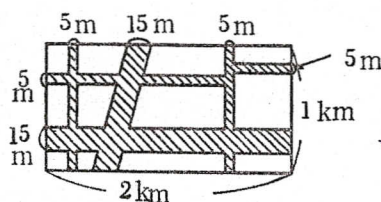
19.



$4 \times 3 \div 2 = 6$ — Δ 面積
 $6 \times \frac{3}{7} = \frac{18}{7}$ — ABE 面積
 $BF = \frac{18}{7} \times 2 \div 3 = \frac{12}{7} = 1\frac{5}{7}$
 $A = 1\frac{5}{7} \text{ cm}$

正方形 BDEF 的邊長 = (**$1\frac{5}{7}$**) cm

12.

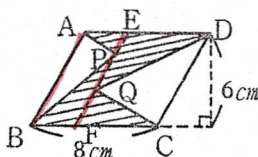


1 km = 1000 m

粗 = $15 \times 2000 + 15 \times 1000 - 15 \times 15$
 $= 30000 + 15000 - 225$
 $= 44775$
 細 = $5 \times 1000 \times 2 - 5 \times 15 \times 3$
 $+ 5 \times 2000 - 5 \times 5 \times 2$
 $= 10000 - 225 + 10000 - 50$
 $= 19725$
 $44775 + 19725 = 64500$
 $A = 64500 \text{ m}^2$

斜線部份的面積 = (**64500**) m^2

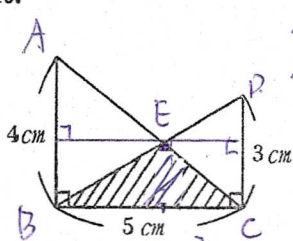
14.



$8 \times 6 = 48$
 $8 \times 6 \div 2 = 24$
 $48 - 24 = 24$
 $A = 24 \text{ cm}^2$

四邊形 ABCD 是平行四邊形，AB 和 EF 是平行線，斜線部份的面積 = (**24**) cm^2

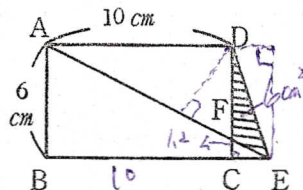
16.



$\Delta ABC = 4 \times 5 \div 2 = 10$
 $\Delta ABE = 4 \times 5 \times \frac{4}{7} \div 2 = \frac{40}{7} = 5\frac{5}{7}$
 $\Delta BEC = 10 - 5\frac{5}{7} = 4\frac{2}{7}$
 $A = 4\frac{2}{7} \text{ cm}^2$

斜線部份的面積 = (**$4\frac{2}{7}$**) cm^2

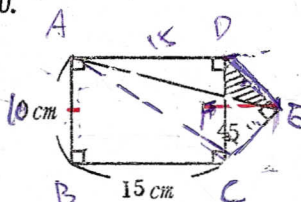
18.



$10 \times 6 \div 2 = 30$
 $30 - 6 = 24$ — ΔADF
 $DF = 24 \times 2 \div 10 = 4.8$
 $CF = 6 - 4.8 = 1.2$
 $\Delta CEF = \frac{1}{2} \Delta DEF = 1.5 \text{ cm}^2$

斜線部份的面積是 6 cm^2 ，三角形 CEF 的面積 = (**1.5**) cm^2

20.



$ABCD = 10 \times 15 = 150$
 $\Delta ACD = 150 \div 2 = 75 = \Delta ABC$
 $95 \times \frac{1}{8} = 9.375 = 9\frac{3}{8}$

斜線部份的面積 = (**$9\frac{3}{8}$**) cm^2