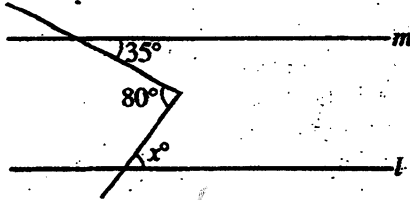# M5

MEDICAL KIT:

Geometry

Video workout 2:

58. In the figure below, lines l and m are parallel and angle measures are as marked. If it can be determined, what is the value of x ?


F. 35
G. 45
H. 65
J. 80
K. Cannot be determined from the given information

27. A pentagon has 1 side of length z cm, 2 sides of length $(z + 2)$ cm each, 1 side of length 5 cm, and 1 side of length $3z$ cm. What is the perimeter, in centimeters, of the pentagon?

A. $9z + 6$
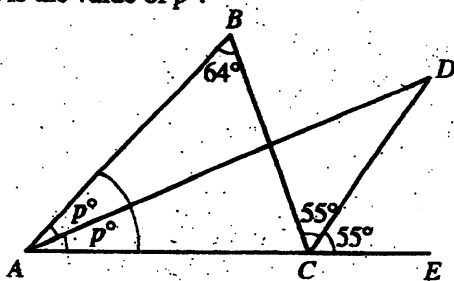B. $6z + 9$
C. $6z + 4$
D. $5z + 9$
E. $5z + 7$

17. In the figure below, $\overline{AC} \parallel \overline{DF}$, $\triangle EBF$ is isosceles with $\overline{EB} \cong \overline{FB}$, and $\angle CBF$ measures $35°$. What is the measure of $\angle DEB$?

A. $107\frac{1}{2}°$
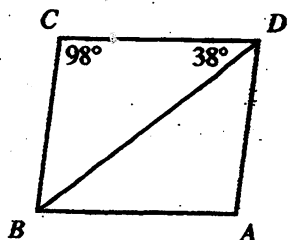
B. $110°$

C. $125°$

D. $135°$

E. $145°$
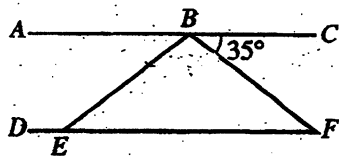
29. In the figure below, A, C, and E are collinear; $\triangle ABC$ and $\triangle ADC$ are as shown; and angle measures are as marked. What is the value of p ?

A. 110

B. 58
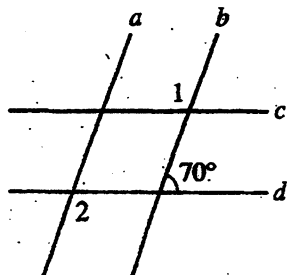
C. 55

D. 46

E. 23

31. In parallelogram $ABCD$ below, the measure of $\angle BCD$ is $98°$ and the measure of $\angle CDB$ is $38°$. What is the measure of $\angle BDA$?

A. $38°$

B. $41°$

C. $44°$

D. $49°$

E. $52°$

54. In the figure below, parallel lines a and b intersect parallel lines c and d. If it can be determined, what is the sum of the degree measures of $\angle 1$ and $\angle 2$?

F. $220°$

G. $180°$

H. $140°$

J. $110°$

K. Cannot be determined from the given information