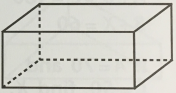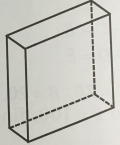Determine your height in inches and centimetres by direct measurement and/or converting using 1 inch = 2.54 cm

POD #21

24

POD #22

1. **Reason.**

What comes next in the pattern?   Describe the pattern in words

A1, B13, C135, D1357, __?__ ,

2. **Solve.**

$A = C - B$
$C + D = E$

If $A = 70$, $B = 20$, and $E = 100$, find D.

3. **Sketch.**

Name this shape

25

---

1. **Reason.**

What comes next in the pattern?   Describe the pattern in words

BALK, KBAL, LKBA, __?__ ,

2. **Solve.**

$A + B + C = 180$
$B + X = 60$

If $A = 70$ and $C = 50$, find X.

3. **Sketch.**

Name this shape

POD #23

26

POD #25

Would you rather...

Work as a server at Restaurant A
OR
Work as a server at Restaurant B?

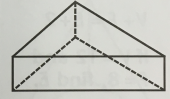| Restaurant A	Restaurant B
$18 per hour No tipping allowed	$10.50 per hour Tipping encouraged
(meals range from $8 to $25 each)	(meals range from $8 to $25 each)

27

Two sides of a triangle are 15 cm and 20 cm long.

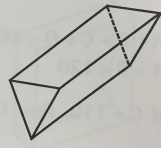What lengths are possible for the third side?

POD #26

28

1. **Reason.**

   What comes next in the pattern?

   A, B, D, C, E, F, H, G, __?__ ,

   Describe the pattern in words

POD #27

2. **Solve.**

$A + B + C + D = 360$
$A + B = 120$

If $C = 110$, find D.

3. **Sketch.**

Name this shape

29

The third side of an isosceles triangle is longer than the two congruent sides. What is the smallest measure of the apex angle (the angle between the two congruent sides)?

POD #28

30

1. **Reason.**

   What comes next in the pattern?

   1, 2, 3, 6, 11, 20, 37, 68, __?__ ,

   Describe the pattern in words

POD #29

2. **Solve.**

$V + F = E + 2$

If $V = 12$ and $F = 8$, find E.

3. **Sketch.**

Name this shape

31

POD # 30   *Would you rather….*

State your assumptions

Justify your answer
mathematically

Make sure you answer the
question!

Pay for 3 gifts and get 1 free
OR
Use a coupon for 20% off?

32