Warm Up Grade 8

Oct. 26

1. Mike and his four friends together owe $12. They agree to share the dept equally.
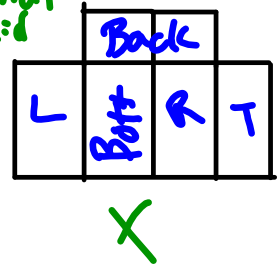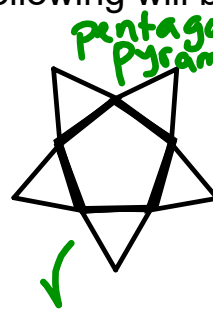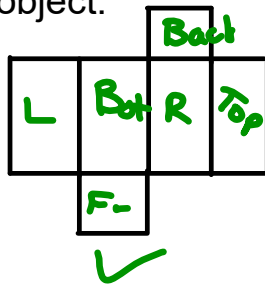   What is each person's share of the debt?

$12 ÷ 5 friends
= $2.40 per friend

2. Use mental math.

   a) $\dfrac{2 \times 30}{5}$ $\dfrac{60}{5}$
   $= 12$

3) Which of the following will be a net for a 3D object.

pentagonal Pyramid

Back | Bot | R | Top | L | F- ✔

✔

Back | L | Bott | R | T   ✗

Pg174
4.

6

3

4

Homework Solutions

Homework Solutions

5.

6.

The correct net is (a)

	side	
top	side	bottom	side
	side	

b)

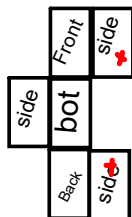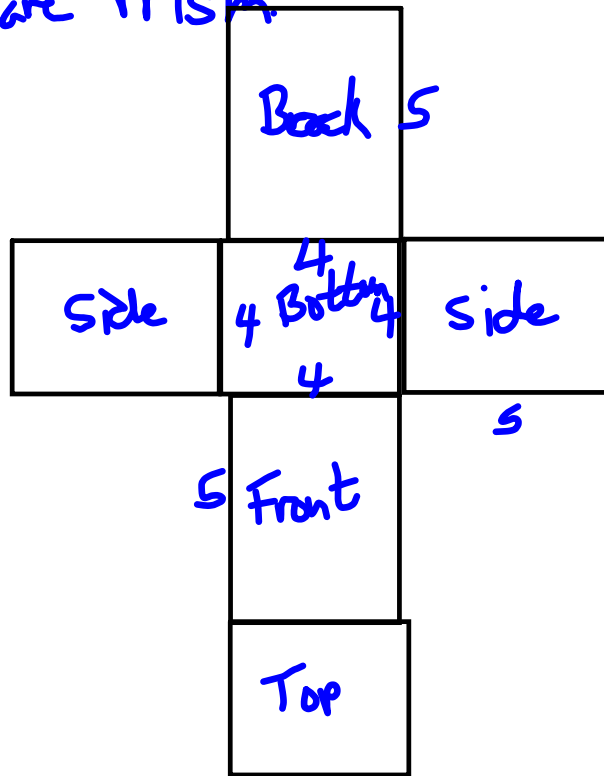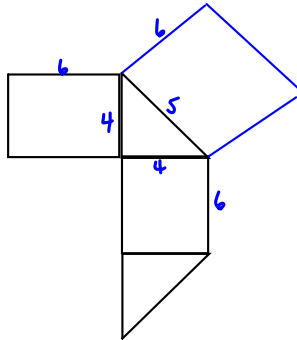|	Front	Side
side	bot	
	Back	Side
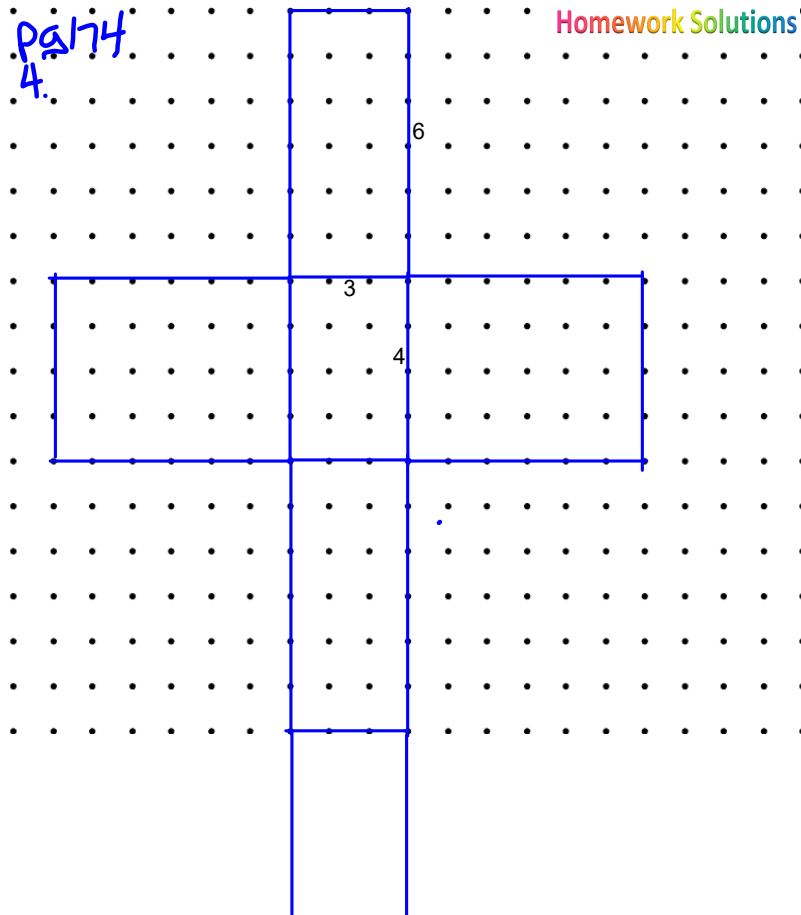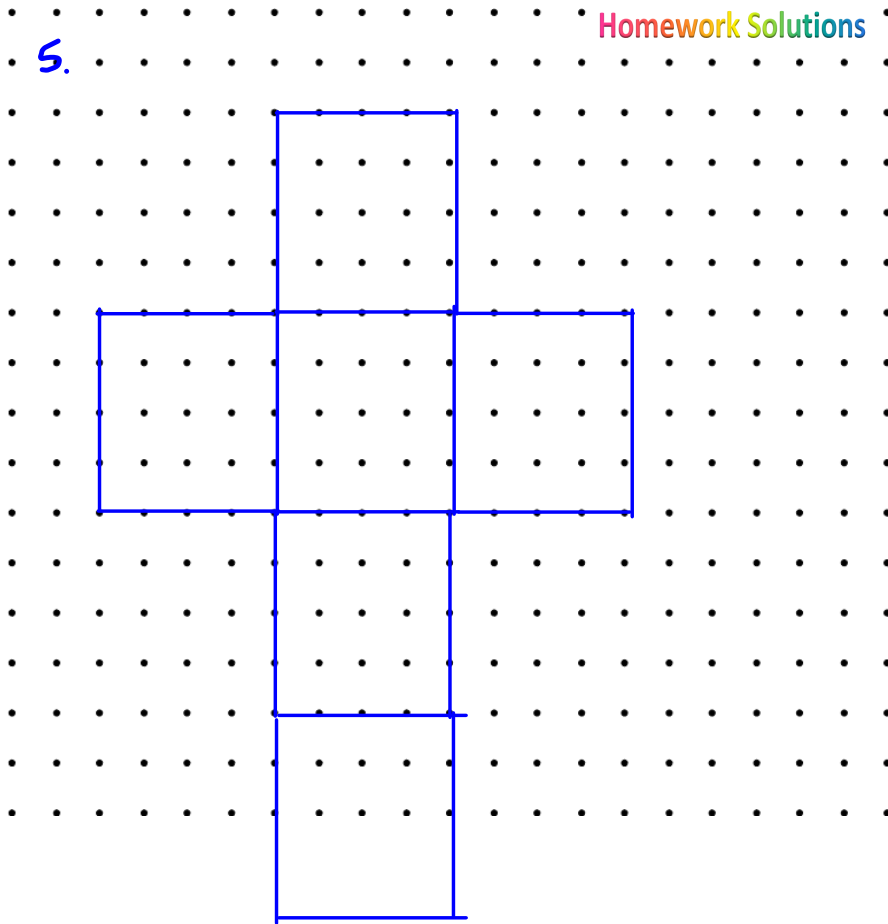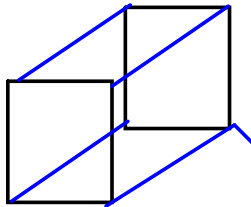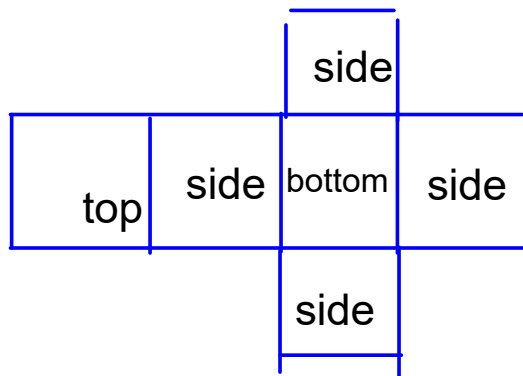
no top and overlap of sides

(b) cannot be correct since it has rectangular faces and 1 pair of c◌ faces. Also if you fold (b) the face and one ends remains open

7. Square Prism

Back 5

Side | 4 Bottom 4 | Side
4
4
5

5 Front

Top

8.

6
6
4   5
4
6

9. A → F
Hexagonal Prism
Faces → 2 hexagons
6 rectangle

B → D
Pentagonal Pyramid
Faces → 1 pentagon
5 triangles

C → E
Pentagonal Prism
Faces → 2 pentagons
5 rectangles.

10. Square Pyramid

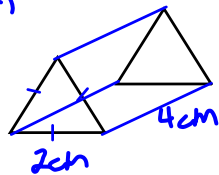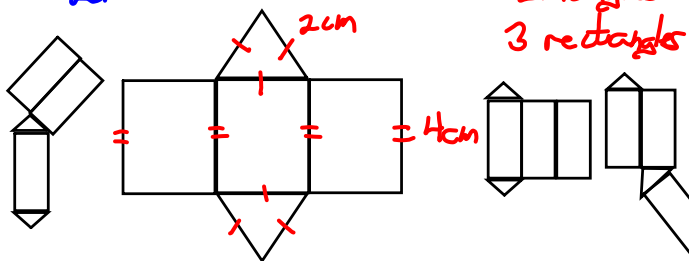Nets A, B, C

11. Dodecagon
 - a regular dodecagon is a polygon with 12 equal sides and 12 equal angles.

Net - for a dodecagonal pyramid has 12 triangles and a dodecagon
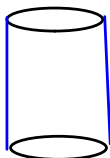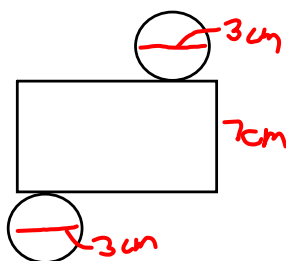Net C is correct

12a)

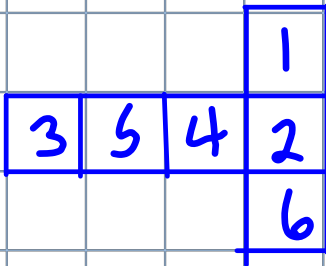Triangular Prism
Faces - 2 equil. triangles
3 rectangles

2cm

4cm

2cm

4cm

b)

Cylinder
Faces - 2 circles
1 rectangle

3cm

7cm

3cm

13.

i)

	1
3 5 4	2
	6

Opposite pairs
add to 7
1-6, 2-5, 3-4

14.
a) 4 equilateral triangle and one
   square base
   Square Pyramid

b) two congruent squares and four
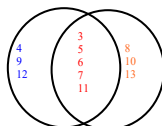   congruent rectangle
   Square prism

c) one rectangle, two pairs of
   congruent triangles
   Rectangular Pyramid

d) five congruent triangles and
   one regular pentagon
   Pentagonal Pyramid

e) four congruent equilateral
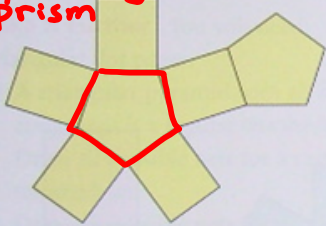   triangle
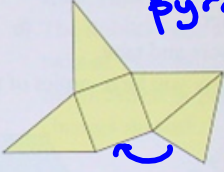   Triangular Pyramid — Tetrahedron

15. Wrapping Paper

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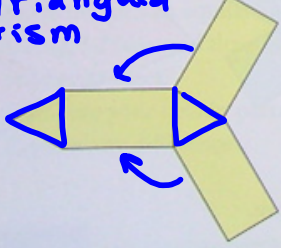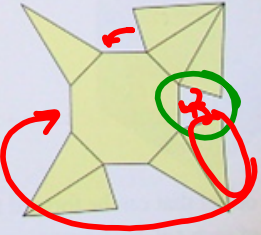| 4 | 3 | 8 |
9	5	10
12	6	13
	7	
	11	

10 without making

Look at the diagrams below.
Is each diagram the net of an object?
If your answer is yes, name and describe the object.
If your answer is no, what changes could you make so it could be a net?

a) **Pentagonal Prism**

b) **Square Pyramid**
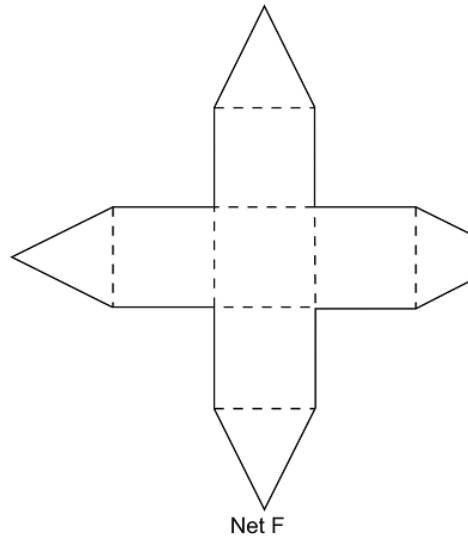
c) **Triangular Prism**

d) **Not a net** — **need to move**

Class/Homework

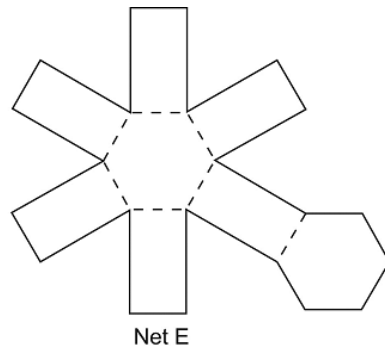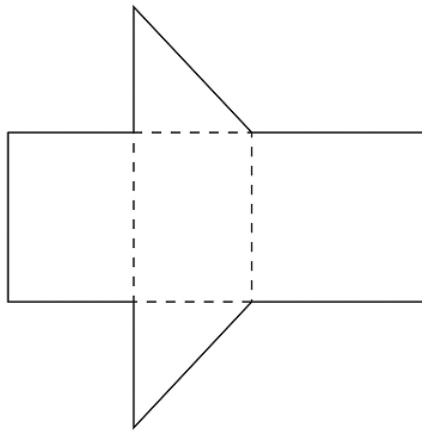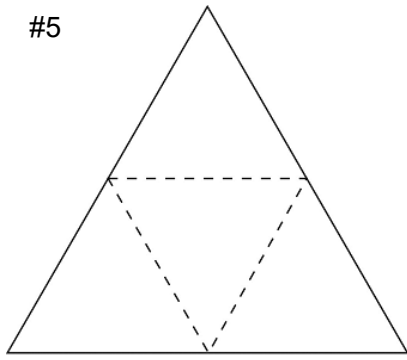Page 180 #1, 4, 5

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#5

Net C

Net E

Net D

Net F

#6)

#7)

Warm-Up

1. A ship travels for 14 km toward the south. It then changes direction and travels for 9 km toward the east. How far does the ship have to travel to return directly to its starting point?

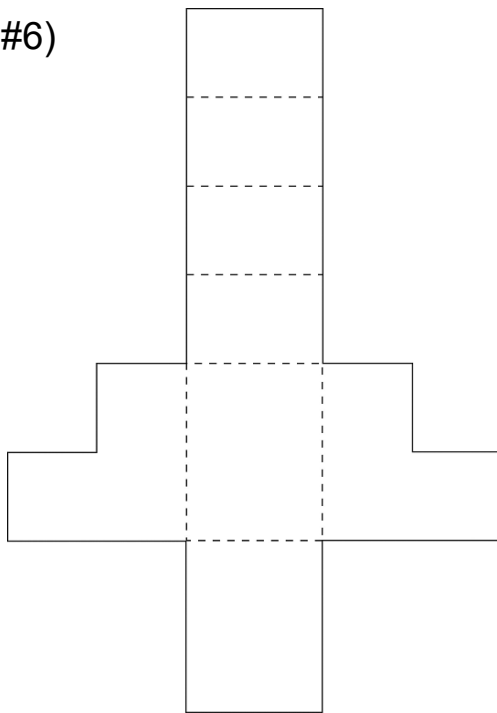2. Use mental math.

   a) 3 /4 ÷ 1/4   b) $\sqrt{36} + \sqrt{25}$
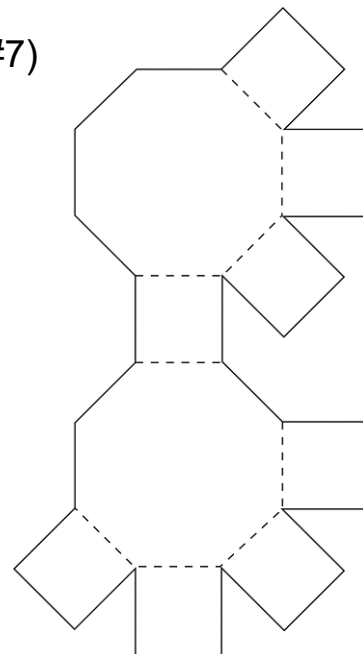
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