Answers.

Monday.

Measuring the Surface that an Object Covers

This is a 1-inch square tile. 

1 Using the 1-inch square tile, estimate how much surface each figure covers.

(a) 

This figure covers [3] times the surface that the square tile covers.

(b) 

This figure covers [4] times the surface that the square tile covers.

(c)

This figure covers 4 times the surface that the square tile covers.

(d)

This figure covers 5 times the surface that the square tile covers.

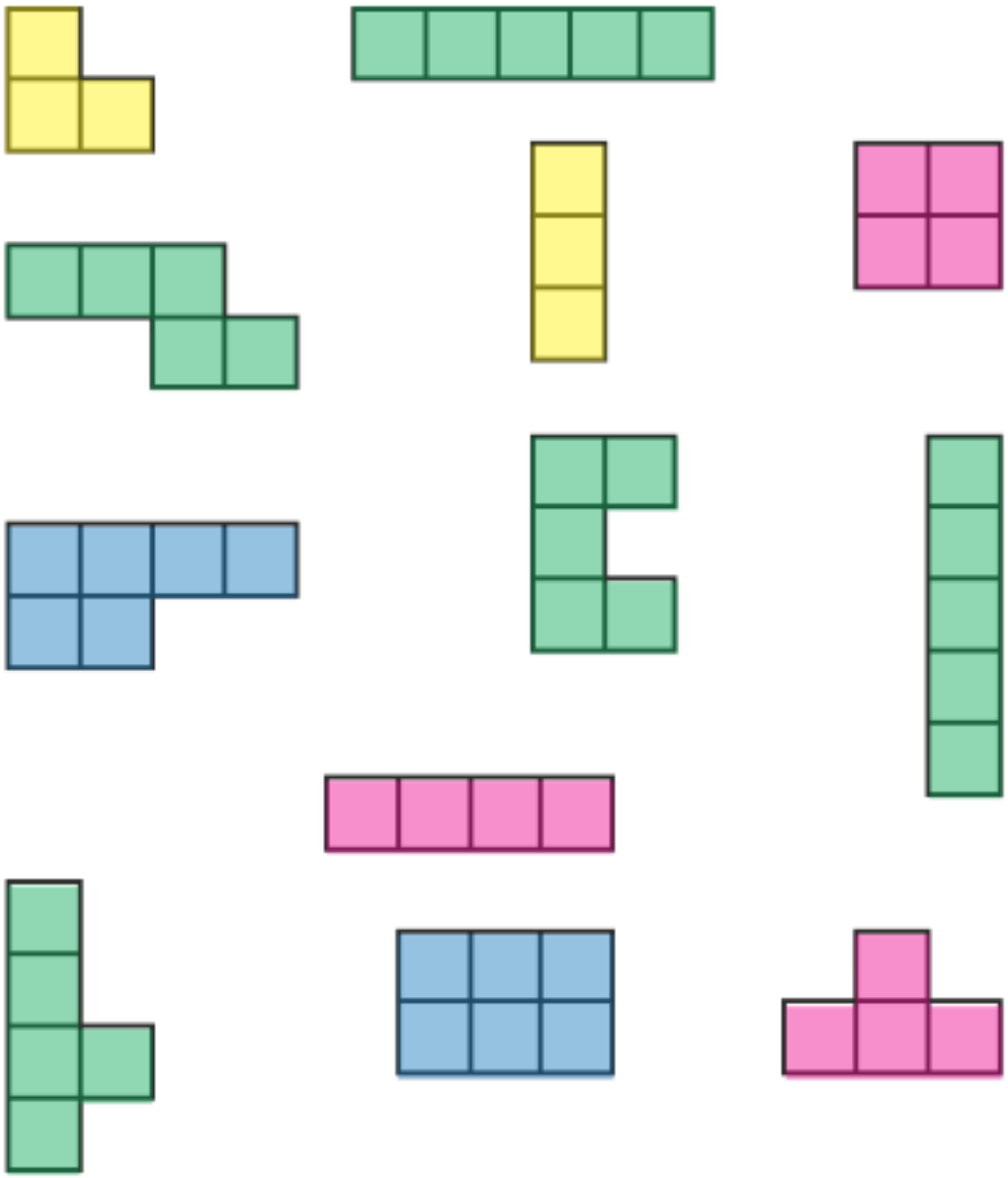
(e)

This figure covers 8 times the surface that the square tile covers.

Tuesday.

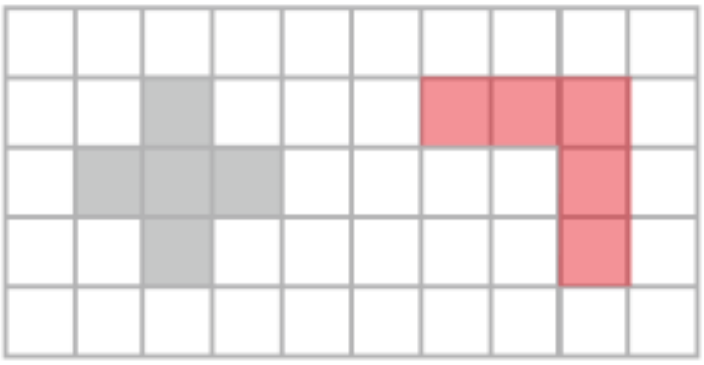
Measuring Area

1 Arrange the figures into groups with the same number of tiles. Colour each group a different colour.



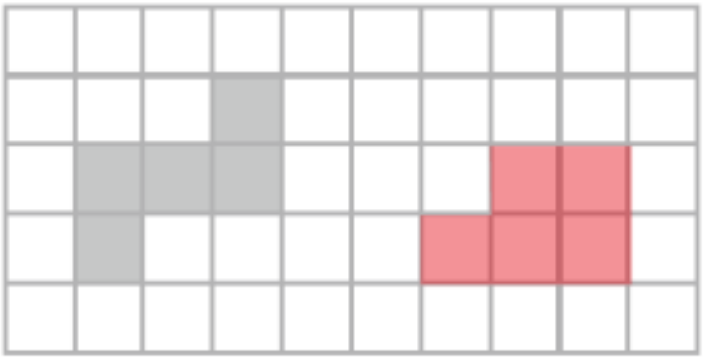
2 For each given figure, draw another figure with the same area.

(a)



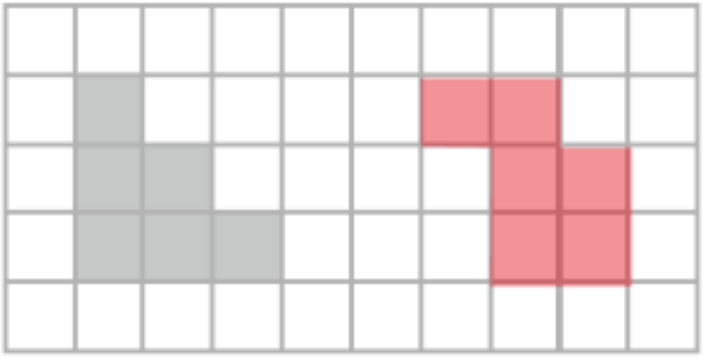
Any shape with an area of 5 squares.

(b)



Any shape with an area of 5 squares.

(c)

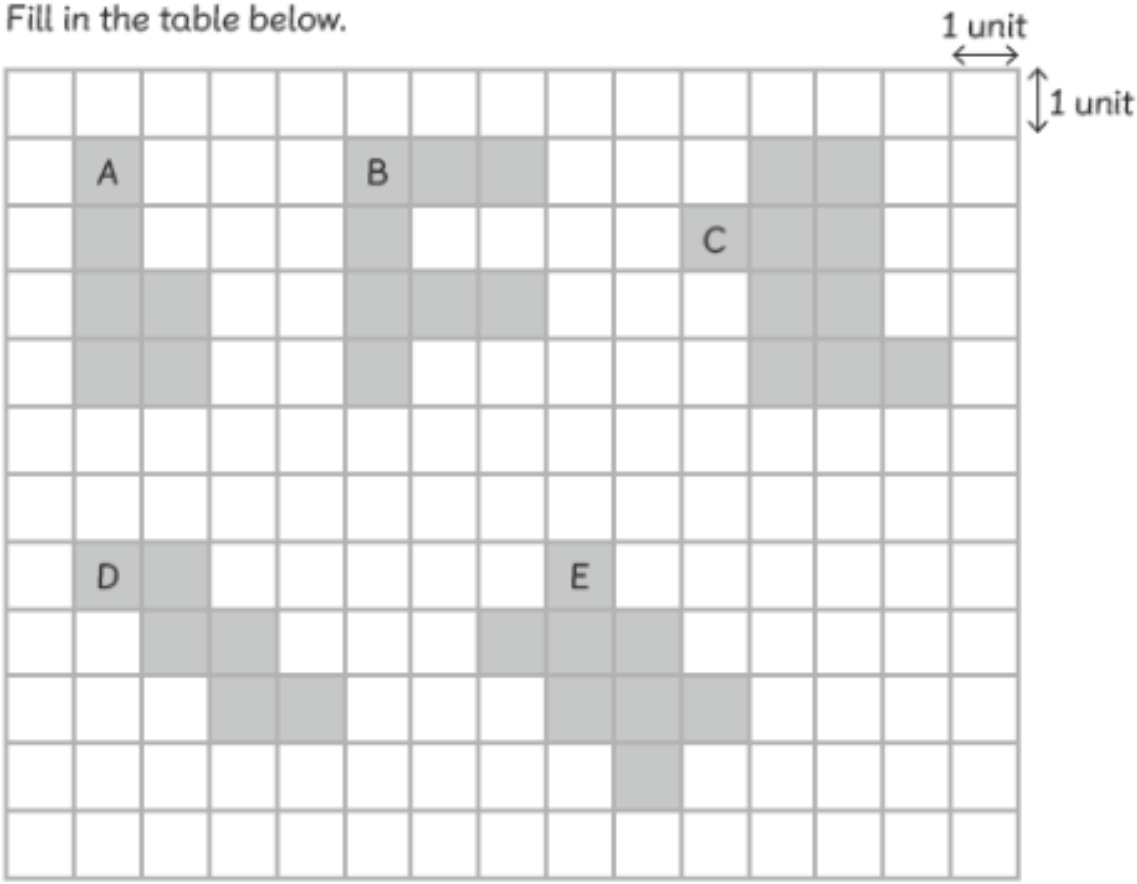


Any shape with an area of 6 squares.

Thursday.

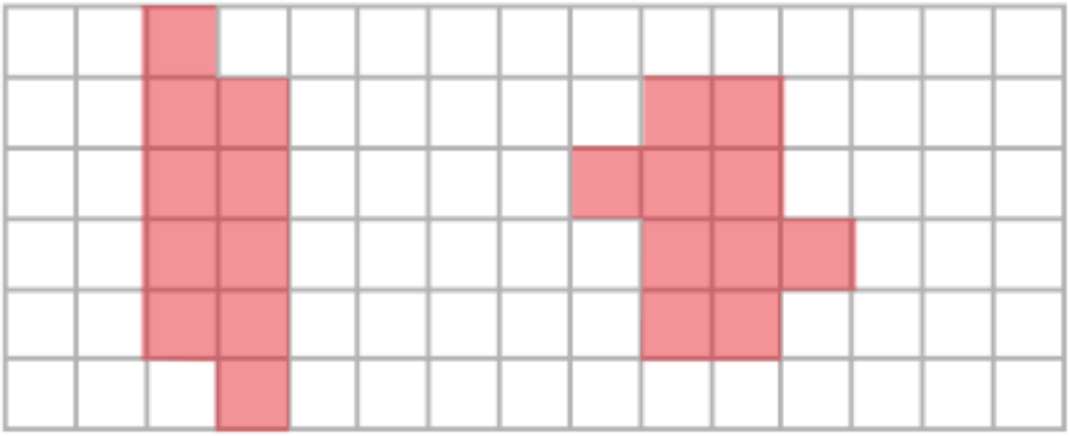
Measuring Area

1 Find the area of each figure, then find its perimeter.
Fill in the table below.



	Area	Perimeter
Figure A	6 square units	12 units
Figure B	8 square units	18 units
Figure C	10 square units	16 units
Figure D	6 square units	14 units
Figure E	8 square units	16 units

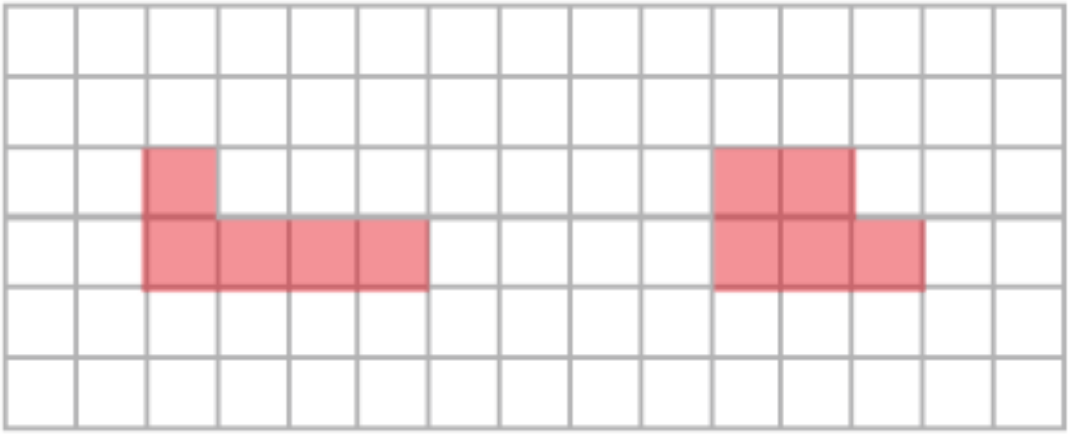
2 Draw two figures on the grid below that have both the same area and the same perimeter. Answers will vary.



A = 10 square units
P = 16 units

A = 10 square units
P = 16 units

3 Draw two figures on the grid below that have the same area but different perimeters. Answers will vary.



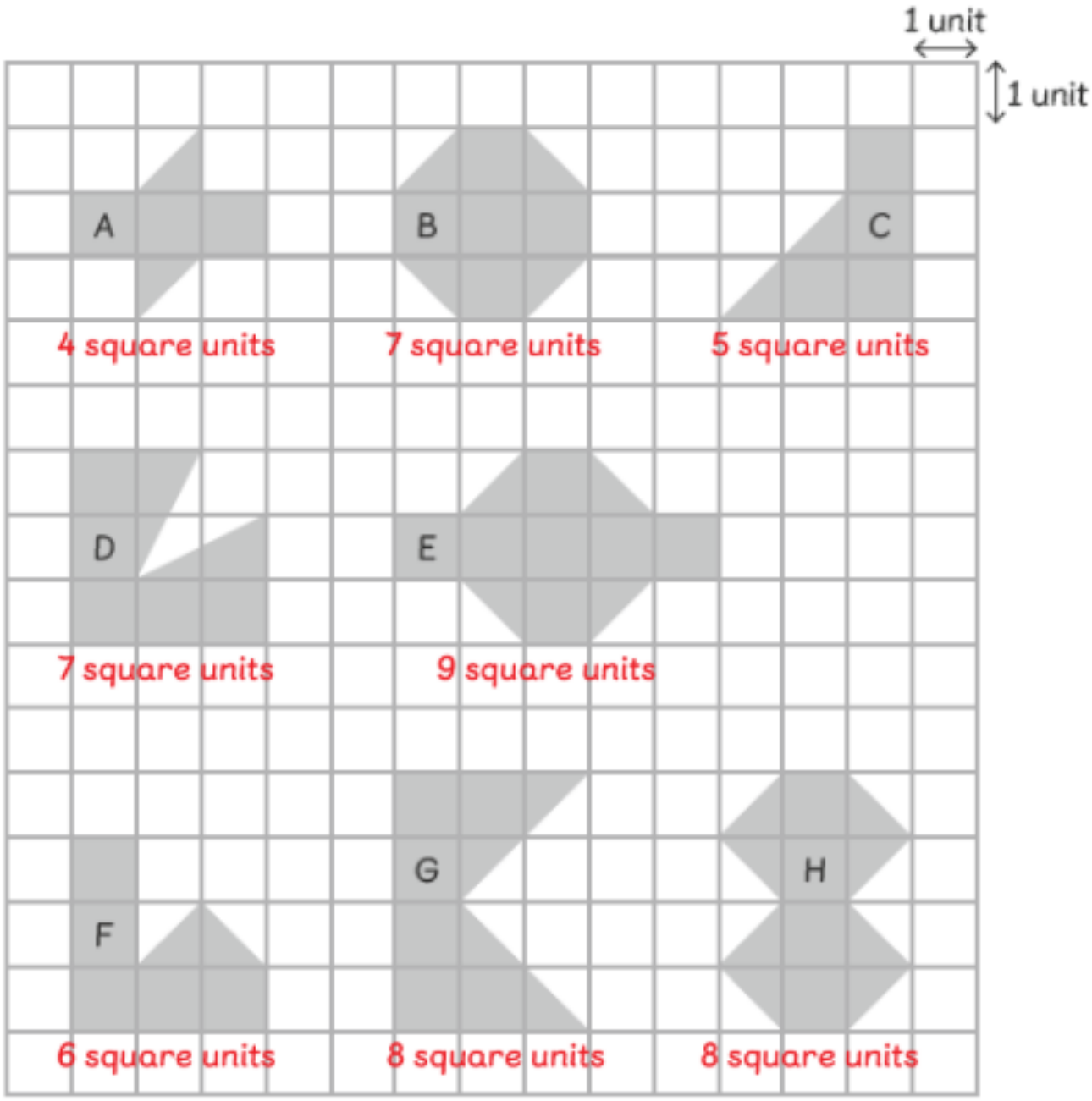
A = 5 square units
P = 12 units

A = 5 square units
P = 10 units

Thursday. Extension answers.

Measuring Area

1 Find the area of each figure. Each ▢ has an area of 1 square unit.



(a)

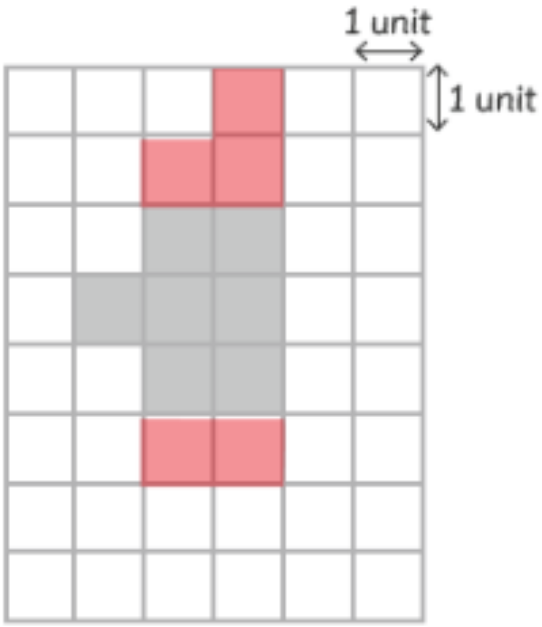
	Area
Figure A	4 square units
Figure B	7 square units
Figure C	5 square units
Figure D	7 square units
Figure E	9 square units
Figure F	6 square units
Figure G	8 square units
Figure H	8 square units

(b) Which figure has the largest area? E

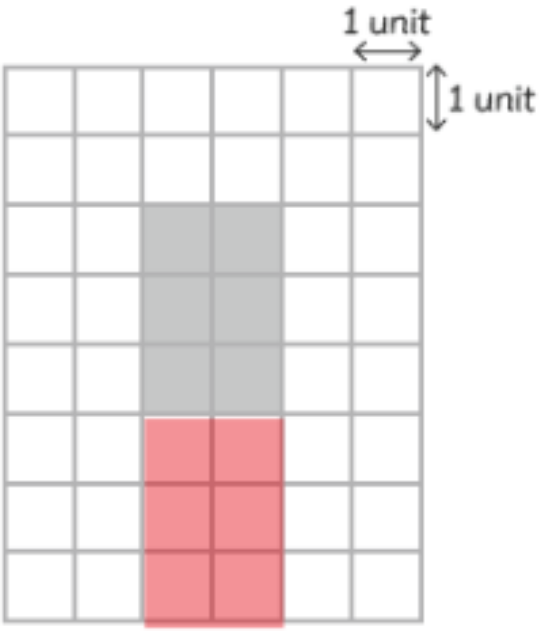
2 Shade more or so that each figure has an area of 12 square units.

Answers will vary.

(a)



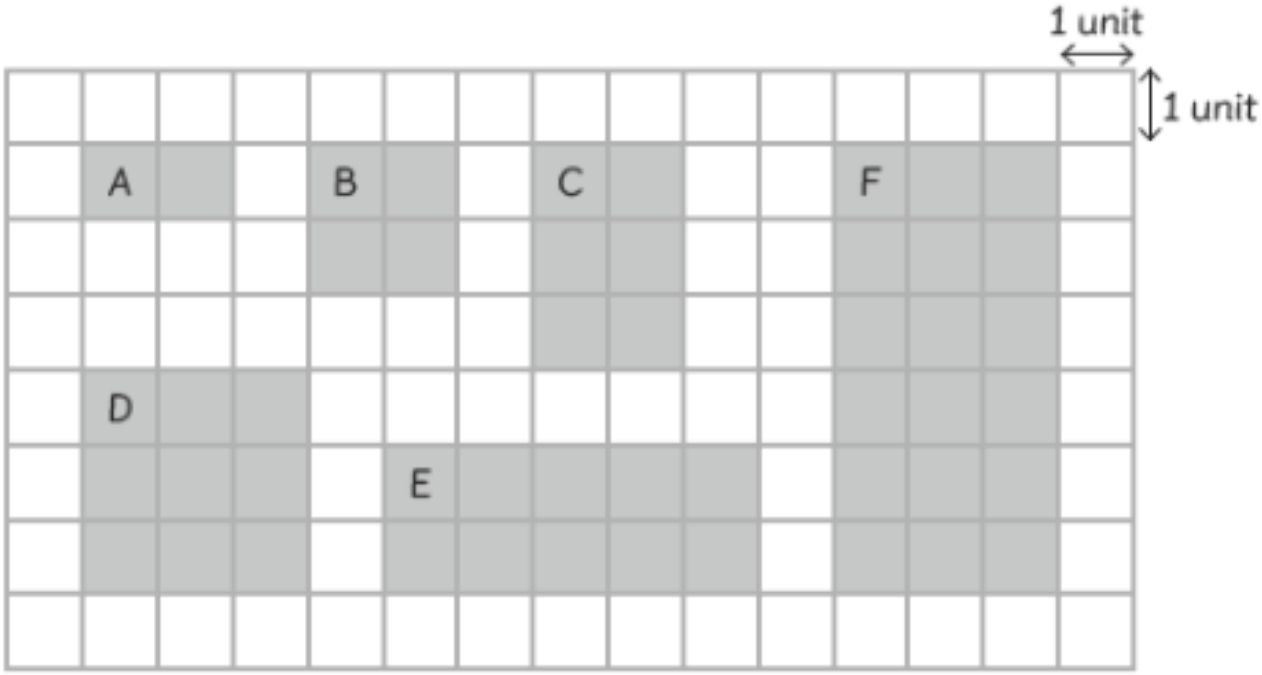
(b)



Friday.

Measuring Area

1 Find the area of each rectangle using multiplication.



(a) 2 × 1 = 2

The area of figure A is 2 square units.

(b) 2 × 2 = 4

The area of figure B is 4 square units.

(c) 2 × 3 = 6

The area of figure C is 6 square units.

(d) 3 × 3 = 9

The area of figure D is 9 square units.

(e) 5 × 2 = 10

The area of figure E is 10 square units.

(f) 3 × 6 = 18

The area of figure F is 18 square units.

2 Figure X is a rectangle with an area of 24 square units. It has 4 rows. Draw Figure X in the 1-unit square grid below.