mon. math

Name: _L02_

Area of a Triangle

To find the area of a triangle, use the formula **area= $\frac{1}{2}$ x base x height** or **A= $\frac{1}{2}$ x b x h.**

example:

4 cm

7 cm
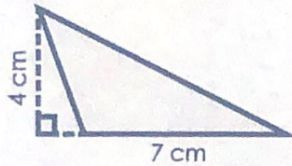
$A= \frac{1}{2} x b x h$

base = 7 cm

height = 4 cm

$A= \frac{1}{2} x 7 cm x 4 cm$

$A= \frac{1}{2} x 28 cm^2$

$A= 14 cm^2$

Find the area of each triangle.

a.
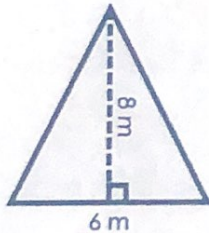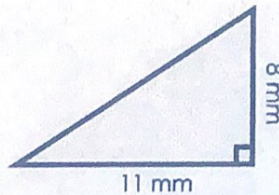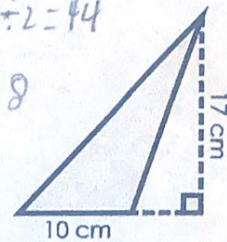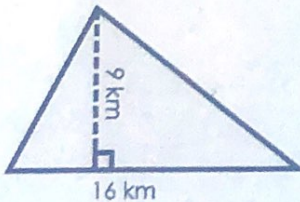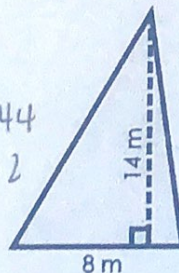
8 m

6 m

area = __24 M²__

b.

8 mm

11 mm

24

area = __44 MM²__

c. $82 \div 2 = 44$

$11 \times 8 = 88$

17 cm

10 cm

$17 \times 10 = 170 \div 2 = 85$

area = __86 Cm²__

d.

9 km

16 km

area = __72 KM²__

e.

$16 \times 9 = 144$

$144 \div 2 = 72$

14 m

8 m

area = __56 M²__

f.

$14 \times 8 = 112$

$112 \div 2 = 56$

20 cm

20 cm
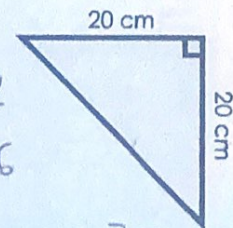
$20 \times 20 = 400$

$400 \div 2 = 200$

area = __200 cm²__

Find the area of a triangle using the base and height measurements.

g.
b = 14 meters
h = 20 meters

$14 \times 20 = 280$
$280 \div 2 = 140$

area = __140 M²__

h.
b = 10 centimeters
h = 15 centimeters

$10 \times 15 = 150$
$150 \div 2 = 75$

area = __75 Cm²__

i.
b = 7 kilometers
h = 22 kilometers

$22 \times 7 = 154$
$154 \div 2 = 77$

area = __77 Km²__

Area of Shaded Triangles

Name: _____LO2_____ Class: __1-25-2021__

Calculate the area of each shaded triangle.

EFGH is a square

E   F

10 cm

G   6 cm   H
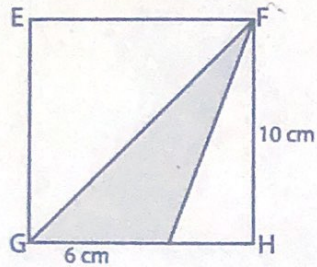
$6 \times 10 = 60$
$60 \div 2 = 30$

Area: __30 CM²__

ABCD is a rectangle

A   B

4 cm

D   10 cm   C

$10 \times 4 = 40$
$40 \div 2 = 20$
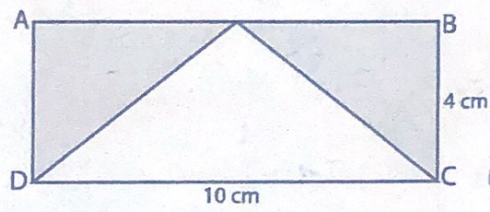
Area: __20 cm²__

KLMN is a rectangle

4 cm   5 cm

K   L

2 cm   4 cm

N   9 cm   M
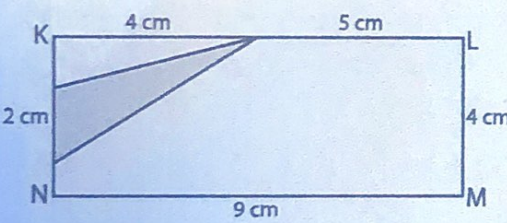
$4 \times 2 = 8$
$8 \div 2 = 4$

Area: __4 cm²__

NOPQ is a square

N   O

6 cm

Q   P
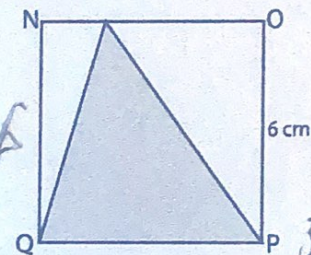
$6 \times 6 = 36$
$36 \div 2 = 18$

Area: __18 cm²__

RSTU is a square

R   S

8 cm

U   T
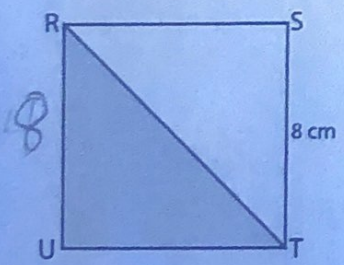
$8 \times 8 = 64$
$64 \div 2 = 32$

Area: __32 cm²__

DEFG is a rectangle

8 cm

D   E

4 cm

G   2 cm   4 cm   F

4

2

$4 \times 4 = 16$
$16 \div 2 = 8$

Area: __8 cm²__

4 cm²