Unit # 11 - Area

Sec: A –Area of a triangle

Answers of the given home work

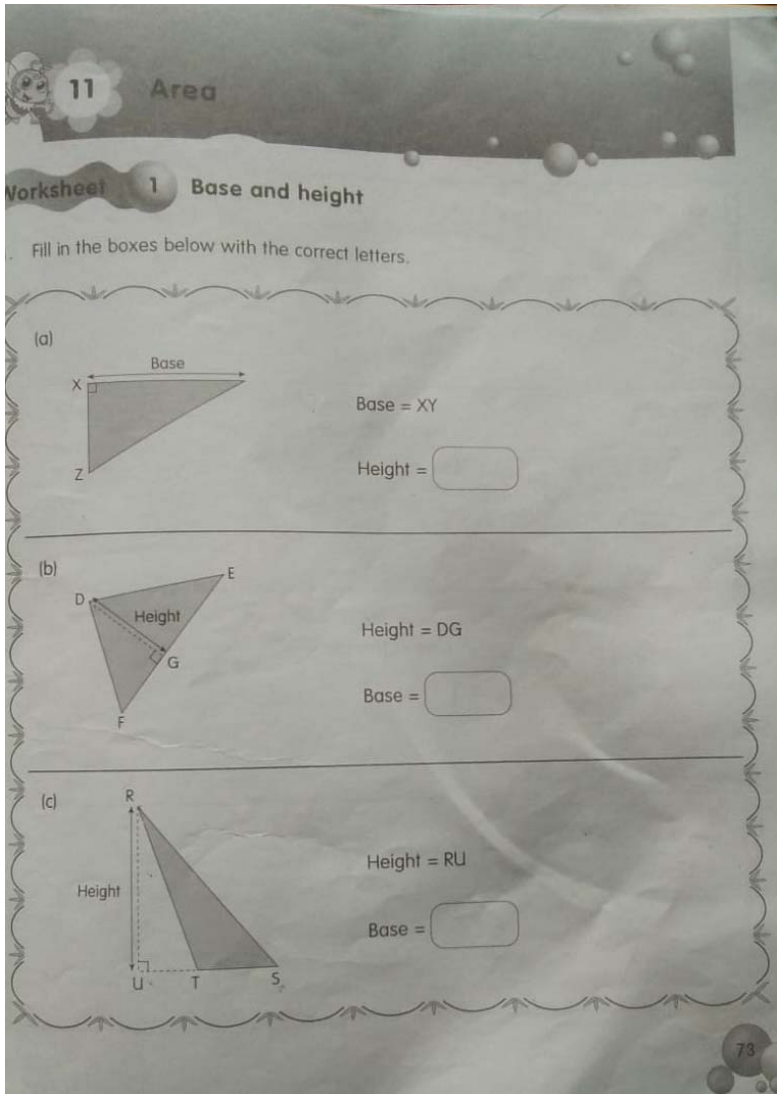
Activity book page :73, 74 & 75

Text book page: 86. Q. No. 1 & 2

(Do the text book problems in your notebook)

Please check your answers and correct the wrong ones

Unit#11Area---Sec:A –Area of a triangle
Answers of the given home work
Activity book pg :73



I. Fill in the boxes below with the correct letters

a) Base = XY

Height = ZX

b) Height = DG

Base = FE

c) Height = RU

Base = TS

Unit#11Area---Sec:A –Area of a triangle
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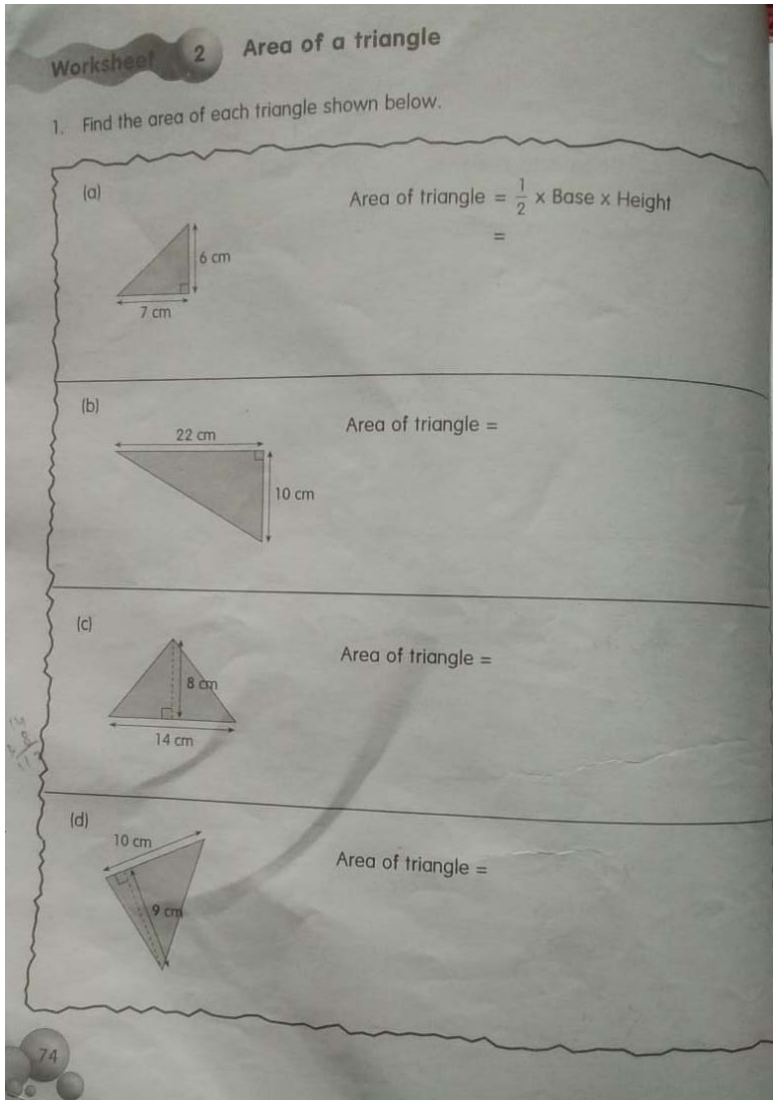
Activity book pg :74



Worksheet 2 Area of a triangle

1. Find the area of each triangle shown below.

(a) Area of triangle = $\frac{1}{2}$ x Base x Height

=

6 cm

7 cm

(b) Area of triangle =

22 cm

10 cm

(c) Area of triangle =

8 cm

14 cm

(d) Area of triangle =

10 cm

9 cm

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I. Find the area of each triangle shown below.

a) Base = 7 cm, height = 6 cm

Area of a triangle = ½ x base x height

= ½ x 7 cm x 6 cm

= ½ x 42 cm2 = 42 cm^2 ÷ 2

Area = 21 cm^2

b) Base = 22 cm, height = 10 cm

Area of a triangle = ½ x base x height

= ½ x 22 cm x 10 cm

= ½ x 220 cm2 = 220 cm^2 ÷ 2

Area = 110 cm^2

c) Base = 14 cm, height = 8 cm

Area of a triangle = ½ x base x height

= ½ x14 cm x 8cm

= ½ x 112 cm2 = 112 cm^2 ÷ 2

Area = 56cm^2

d) Base = 10 cm, height = 9 cm

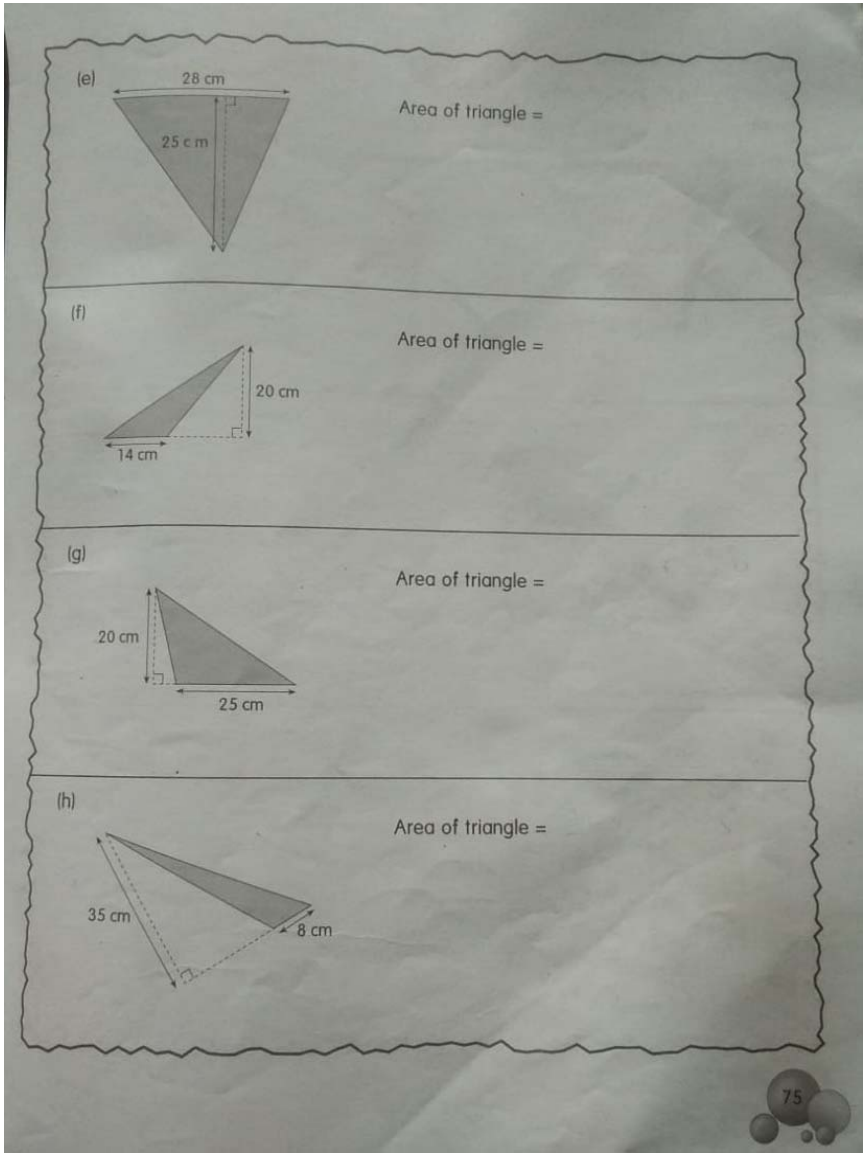
Area of a triangle = ½ x base x height

= ½ x 10 cm x 9 cm

= ½ x 90 cm2 = 90 cm^2 ÷ 2

Area = 45 cm^2

Unit#11Area---Sec:A –Area of a triangle
Answers of the given home work
Activity book pg :75



I. Find the area of each triangle shown below.

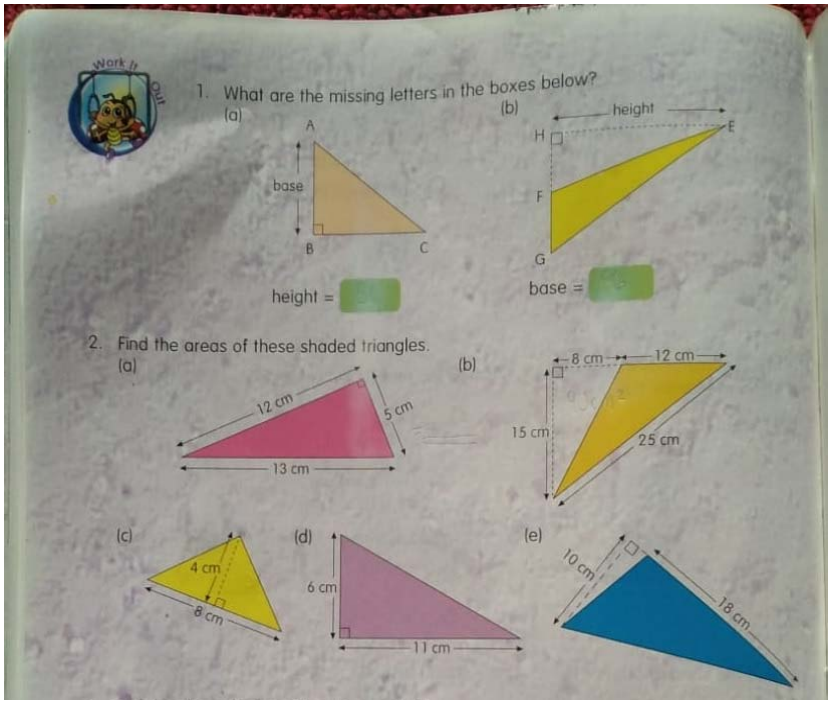
e) Base = 28 cm, height = 25 cm
Area of a triangle = ½ x base x height
= ½ x 28 cm x 25 cm
= ½ x 700 cm2 = 700 cm^2 ÷ 2
Area = 350 cm^2

f) Base = 14 cm, height = 20 cm
Area of a triangle = ½ x base x height
= ½ x 14 cm x 20 cm
= ½ x 280 cm2 = 280 cm^2 ÷ 2
Area = 140 cm^2

g) Base = 25 cm, height = 20 cm
Area of a triangle = ½ x base x height
= ½ x 25 cm x 20 cm
= ½ x 500 cm2 = 500 cm^2 ÷ 2
Area = 250 cm^2

h) Base = 35 cm, height = 8 cm
Area of a triangle = ½ x base x height
= ½ x 35 cm x 8 cm
= ½ x 280 cm2 = 280 cm^2 ÷ 2
Area = 140 cm^2

Unit#11Area---Sec:A –Area of a triangle
Answers of the given home work
Text book pg :86 (Q. No 1 & 2)



1. What are the missing letters in the boxes below?

a) Height = BC

b) Base=FG

2. Find the area of these shaded triangles.

a) Base = 5 cm, height = 12 cm
Area of a triangle = ½ x base x height
= ½ x 5 cm x 12 cm
= ½ x 60 cm2 = 60 cm^2 ÷ 2
Area = 30 cm^2

b) Base = 15 cm, height = 12 cm
Area of a triangle = ½ x base x height
= ½ x 15 cm x 12 cm
= ½ x 180 cm2 = 180 cm^2 ÷ 2
Area = 90 cm^2

c) Base = 8 cm, height = 4 cm
Area of a triangle = ½ x base x height
= ½ x 8 cm x 4 cm
= ½ x 32 cm2 = 32 cm^2 ÷ 2
Area = 16 cm^2

d) Base = 11 cm, height = 6 cm
Area of a triangle = ½ x base x height
= ½ x 11 cm x 6 cm
= ½ x 66 cm2 = 66 cm^2 ÷ 2
Area = 33 cm^2

e) Base = 18 cm, height = 10 cm
Area of a triangle = ½ x base x height
= ½ x 18 cm x 10 cm
= ½ x 180 cm2 = 180 cm^2 ÷ 2
Area = 90 cm^2