

CALCULATING AREA

3rd Grade



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NAME: _____

CALCULATING *story problems*

Directions: Solve for area in the story problems below.

- 1 Mrs. DiGiovanni is cooking a casserole. The casserole measures 8 inches long by 9 inches wide. What is the area of the casserole dish?

- 2 The front lawn of Blake's house is 6 yards long. What is the area of the lawn?

NAME: _____

CALCULATING *area*

Directions: Cut out the shapes below and use them to find the area of the correct pile.

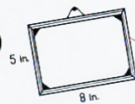
24 in²20 in²30 in²36 in²

NAME: _____

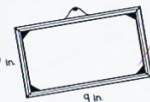
CALCULATING *area*

Directions: Mr. Morris is hanging art in his gallery. He wants to draw a rectangle that has the same area as the art in the gallery.

1



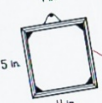
2



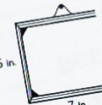
3



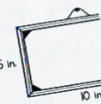
4



5



6

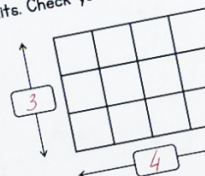


NAME: _____

CALCULATING *area*

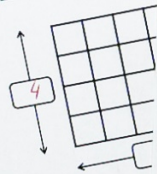
Directions: Determine the length and width of each shape. Check your answer by counting square units.

1

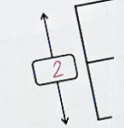


$$\text{Area} = 3 \times 4 = 12$$

3



$$\text{Area} = 4 \times 5 = 20$$



$$\text{Area} = 2 \times 2 = 4 \text{ sq units}$$

NAME: _____

DATE: _____

CALCULATING AREA

solving for area

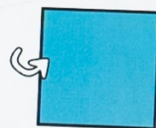
Directions: For each shape, solve for area. Be sure to include the correct units in your response.

1

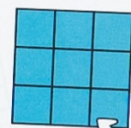


Area: 9

AREA is the measurement of space inside a shape

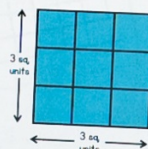


Area can be measured by counting how many SQUARE UNITS fit inside a shape



Area = 9 square units

Area can also be measured by MULTIPLYING the LENGTH and WIDTH of the shape



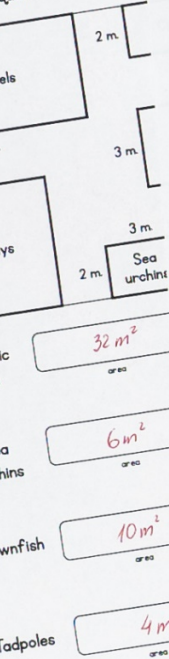
Area = 3 x 3 = 9 square units



CALCULATING AREA

aquarium exhibits

Diagram of Oceanarium exhibits in square meters.



DATE: _____

CALCULATING AREA

Directions: Solve for area.

- Mrs. DiGiovanni measures 8 inches of the casserole.

- The front yard is long.

NAME: _____

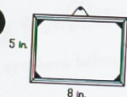
DATE: _____

CALCULATING AREA

art gallery area

Directions: Mr. Morris is hanging art in his gallery. He knows the area of each art piece and the length and width of each frame. Draw a line to match each frame with the artwork that has the same area.

1



2



3



4



NAME: _____

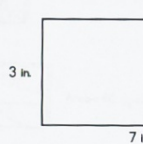
DATE: _____

CALCULATING AREA

solving for area

Directions: For each shape, solve for the missing side length to include the correct units in your response.

1



Area: 3×7

3



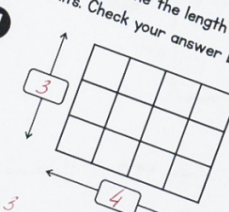
NAME: _____

DATE: _____

CALCULATING AREA

Directions: Determine the length and width of each shape. Multiply to solve for the area. Check your answer by counting the square units within each shape.

1



Area: $3 \times 4 = 12 \text{ sq units}$

2



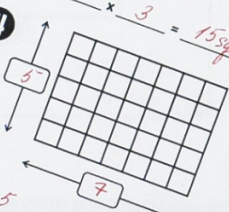
Area: $5 \times 3 = 15 \text{ sq units}$

3



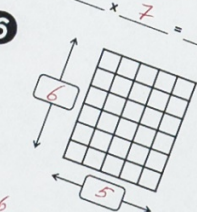
Area: $4 \times 5 = 20 \text{ sq units}$

4



Area: $5 \times 7 = 35 \text{ sq units}$

6



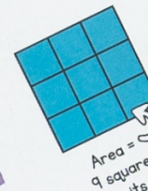
Area: $6 \times 5 = 30 \text{ sq units}$

calculating AREA

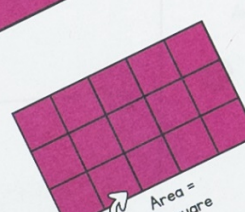
AREA is the measurement of space inside a shape

Area can be measured by counting how many SQUARE UNITS fit inside a shape

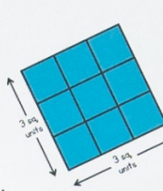
Area can also be measured by multiplying the LENGTH and the WIDTH of a shape



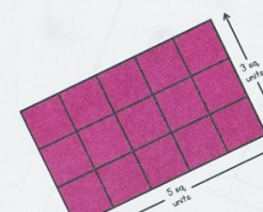
Area = $3 \times 3 = 9 \text{ square units}$



Area = $5 \times 3 = 15 \text{ square units}$



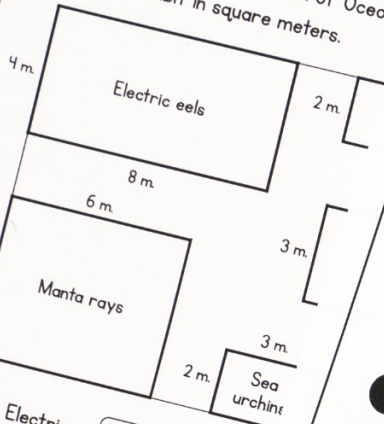
Area = $3 \times 3 = 9 \text{ square units}$



Area = $5 \times 3 = 15 \text{ square units}$

CALCULATING AREA

Directions: Below is a diagram of Oceanographic aquarium exhibit in square meters.



1 Electric eels $32 m^2$
area

3 Sea urchins $6 m^2$
area

5 Clownfish $10 m^2$
area

7 Tadpoles $4 m^2$
area

2 The front 1 yards long

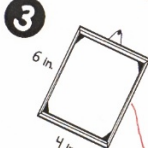
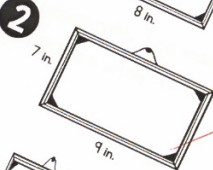
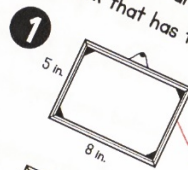
CALCULATING AREA

Directions: Solve for area:

1 Mrs. DiGiovanni i measures 8 incl of the cassero

CALCULATING AREA

Directions: Mr. Morris is hanging art in his gallery. He knows the area of each art p and the length and width of each frame. Draw a line to match each frame with artwork that has the same area.

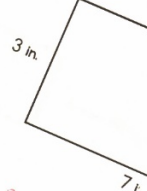


NAME: _____

CALCULATING AREA

Directions: For each shape, solve for response.

1



Area: 3×7

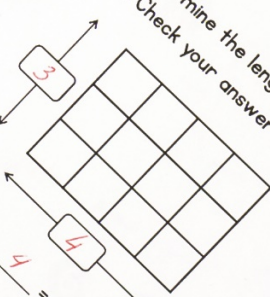
3



3

Area: $3 \times 4 = 12 \text{ sq. units}$

1



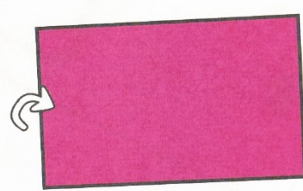
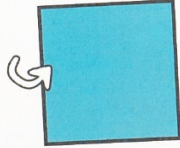
Directions: Determine the length and width of each shape in square units. Check your answer by counting.

4

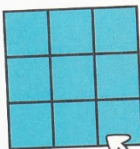
Area: $5 \times 5 = 25 \text{ sq. units}$

calculating AREA

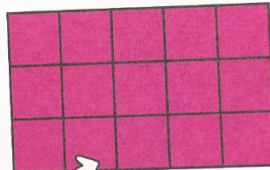
AREA is the measurement of space inside a shape



Area can be measured by counting how many SQUARE UNITS fit inside a shape

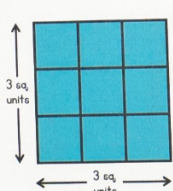


Area = 9 square units



Area = 15 square units

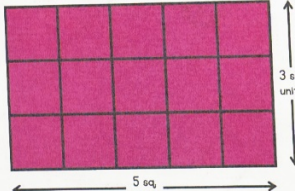
Area can also be measured by multiplying the LENGTH and WIDTH of the shape



3 sq. units

3 sq. units

Area =



3 sq. units

5 sq. units

Area =

DATE: _____

CALCULATING AREA

solving for area

Directions: Solve for area. Be sure to include the correct units in your

2

Area: $5 \times 5 = 25 \text{ sq units}$

4

Area: $4 \times 4 = 16 \text{ sq units}$

6

Area: $5 \times 4 = 20 \text{ sq units}$

4x9

6=

DATE: _____

CALCULATING AREA

solving for area

Directions: Find the length and width of each shape. Multiply to solve for area. Or, count the square units within each shape.

2

Area: $5 \times 3 = 15 \text{ sq units}$

4

Area: $5 \times 7 = 35 \text{ sq units}$

6

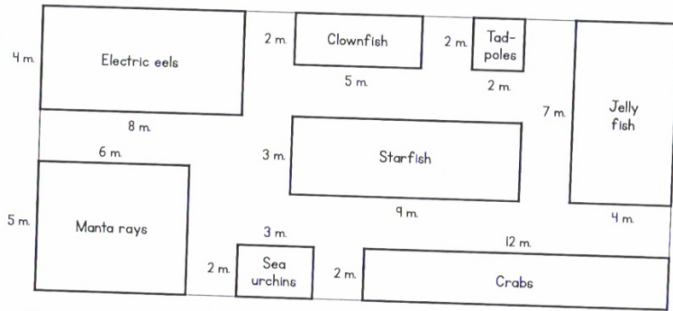
Area: $6 \times 5 = 30 \text{ sq units}$

NAME: _____ DATE: _____

CALCULATING AREA

aquarium exhibits

Directions: Below is a diagram of Oceanographic Aquarium. Determine the area of each aquarium exhibit in square meters.



NAME: _____

CALCULATING AREA

story problems

Directions: Solve for area in the story problems below.

Mrs. DiGiovanni is cooking a casserole. The casserole measures 8 inches long by 9 inches wide. What is the area of the casserole dish?

A house is 6 yards wide and 10 yards long. What is the area of Blake's front lawn?

7x3

=27

calculating AREA

AREA is the measurement of space inside a shape

Area can be measured by counting how many **SQUARE UNITS** fit inside a shape

Area can also be measured by **MULTIPLYING** the **LENGTH** and **WIDTH** of the shape

Area = $3 \times 3 = 9 \text{ square units}$

Area = $5 \times 3 = 15 \text{ square units}$

NAME: _____

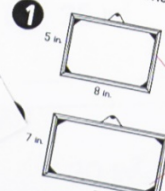
CALCULATING AREA

art gallery

Directions: Mr. Morris is hanging art in his gallery. He knows the length and width of each frame. Draw a line to match each frame to the artwork that has the same area.

24 in²

20 in²



A

B

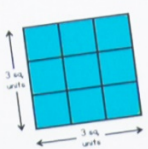
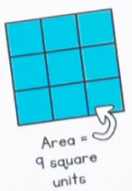
C

D

AREA is the measurement of space inside a shape

Area can be measured by counting how many **SQUARE UNITS** fit inside a shape

Area can also be measured by **MULTIPLYING** the **LENGTH** and **WIDTH** of the shape



DATE: _____
CALCULATING AREA
art gallery area

hanging art in his gallery. He knows the area of each art
of each. Draw a line to match each frame with the

ect units in your

$= 25 \text{ sq units}$

its 40 sq units

ts

Area = 15 square units

Area = 3 = 46

DATE:

4x8

3x4

 7×9

NAME:

DATE: _____

CALCULATING AREA

DATE: _____

birthday present

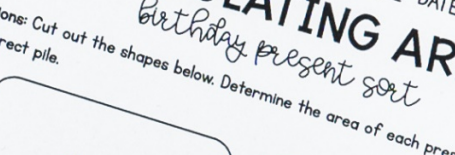
out the shapes below. Determine

DATE: _____

REGULATING AREA

birthday present sort

Directions: Cut out the shapes below. Determine the area of each present and sort the correct pile.

 36 in^2 in^2

DATE:

AREA

CALCULATING AREA

aquarium exhibits

a diagram of Oceanographic Aquarium

square meters.

2 m	
-----	--

Directions: Below is a diagram of Oceanographic Aquarium exhibits. Determine the area of each exhibit in square meters.

CALCULATING AREA

Oceanographic Aquarium exhibits

Electric eels

8 m

2 m

Clownfish

5 m

2 The f
year

1 Electric eels

3 Sea urchins

Clownfish

Tadpoles

Electric eels

6

Electric
eels

Sea urchin

Clownfish

Tadpoles

Clownfish

Starfish

Jelly fish

Jelly
fish

 m

CALCULATING AREA

3rd grade

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3. Area Matching (2 pages)
4. Drawing Shapes (3 pages)
5. Blueprints and Diagrams (3 pages)
6. Games and Activities (8 pages)
7. Area as Additive (5 pages)
8. Distributive Property of Area (4 pages)
9. Story Problems (4 pages)
10. Test Review (6 pages)
- II. Test (6 pages)

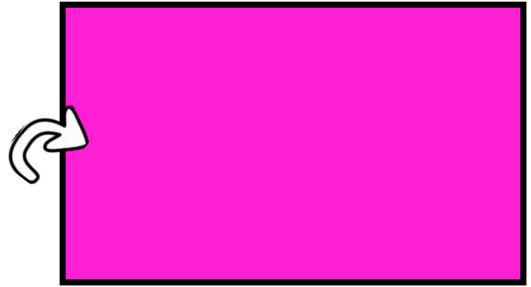
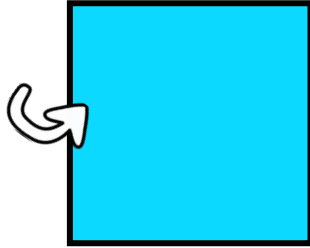


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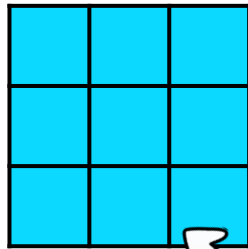
The Google Slides version of this resource requires that you make a copy of the resource to your own Google Drive.

calculating AREA

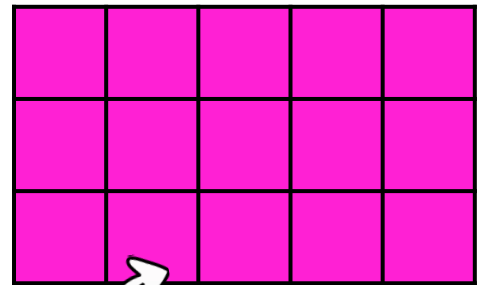
AREA is the measurement of space inside a shape



Area can be measured by counting how many **SQUARE UNITS** fit inside a shape

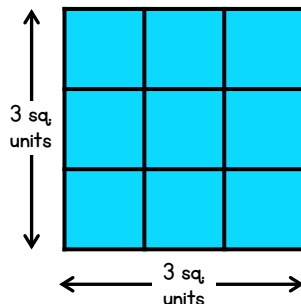


Area =
9 square units

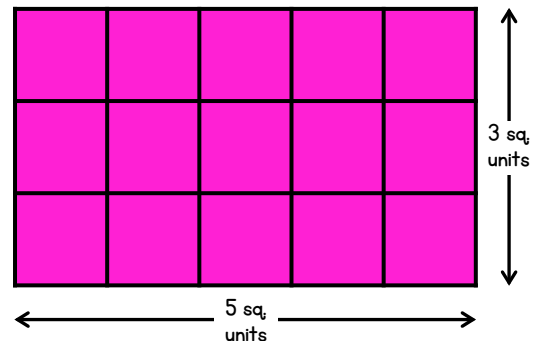


Area =
15 square units

Area can also be measured by **MULTIPLYING** the **LENGTH** and **WIDTH** of the shape



Area =
 $3 \times 3 =$
9 square units



Area =
 $5 \times 3 =$
15 square units

NAME: _____ DATE: _____

CALCULATING AREA

solving for area

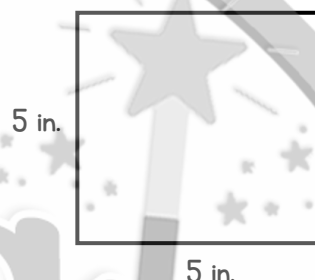
Directions: For each shape, solve for area. Be sure to include the correct units in your response.

1



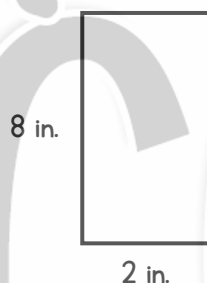
Area: _____ x _____ = _____

2



Area: _____ x _____ = _____

3



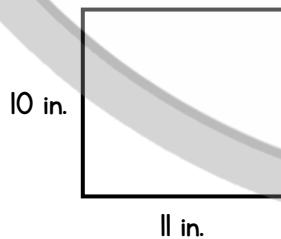
Area: _____ x _____ = _____

4



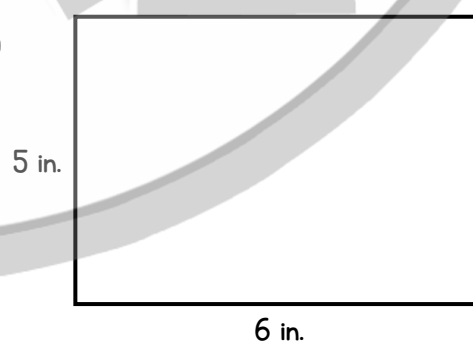
Area: _____ x _____ = _____

5



Area: _____ x _____ = _____

6



Area: _____ x _____ = _____

NAME: _____ DATE: _____

CALCULATING AREA

find the missing measurement

Directions: One piece of information is missing for each shape. Determine the missing length, width, or area.

1

7 in.

Area = 63 in^2

2

Area = 16 ft^2

4 ft.

3

10 cm.

4 cm.

Area =

4

Area = 48 in^2

8 in.

5

9 m.

Area = 36 m^2

6

10 mi.

Area =

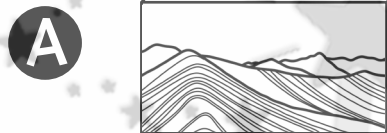
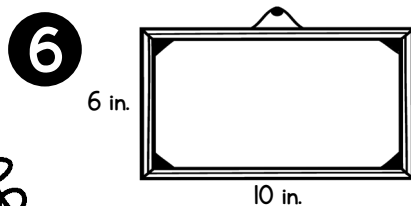
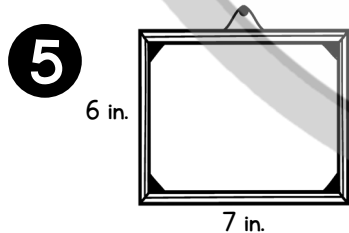
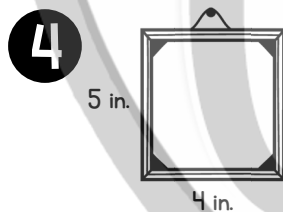
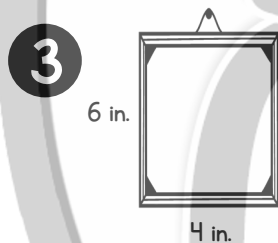
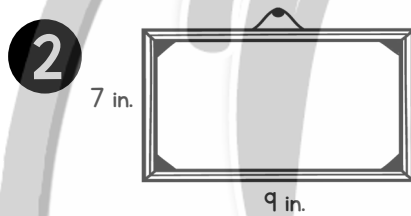
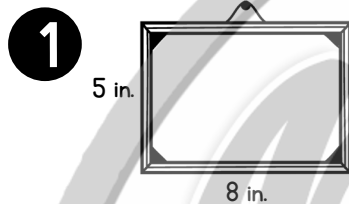
7 mi.

NAME: _____ DATE: _____

CALCULATING AREA

art gallery area

Directions: Mr. Morris is hanging art in his gallery. He knows the area of each art piece and the length and width of each frame. Draw a line to match each frame with the artwork that has the same area.



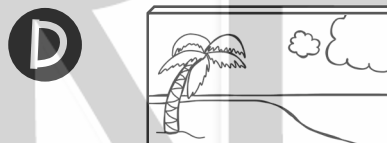
Area = 63 sq. inches



Area = 40 sq. inches



Area = 42 sq. inches



Area = 60 sq. inches



Area = 20 sq. inches



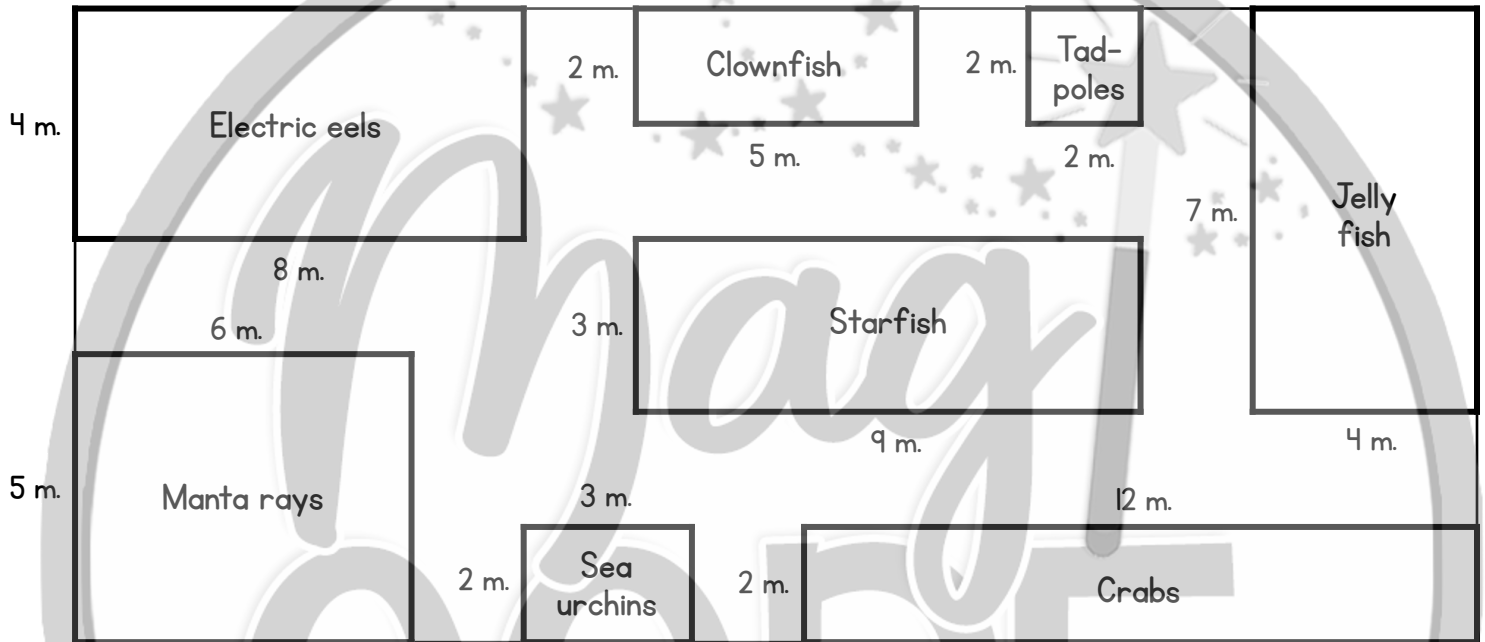
Area = 24 sq. inches

NAME: _____ DATE: _____

CALCULATING AREA

aquarium exhibits

Directions: Below is a diagram of Oceographic Aquarium. Determine the area of each aquarium exhibit in square meters.



1 Electric eels
area

2 Jelly fish
area

3 Sea urchins
area

4 Crabs
area

5 Clownfish
area

6 Manta rays
area

7 Tadpoles
area

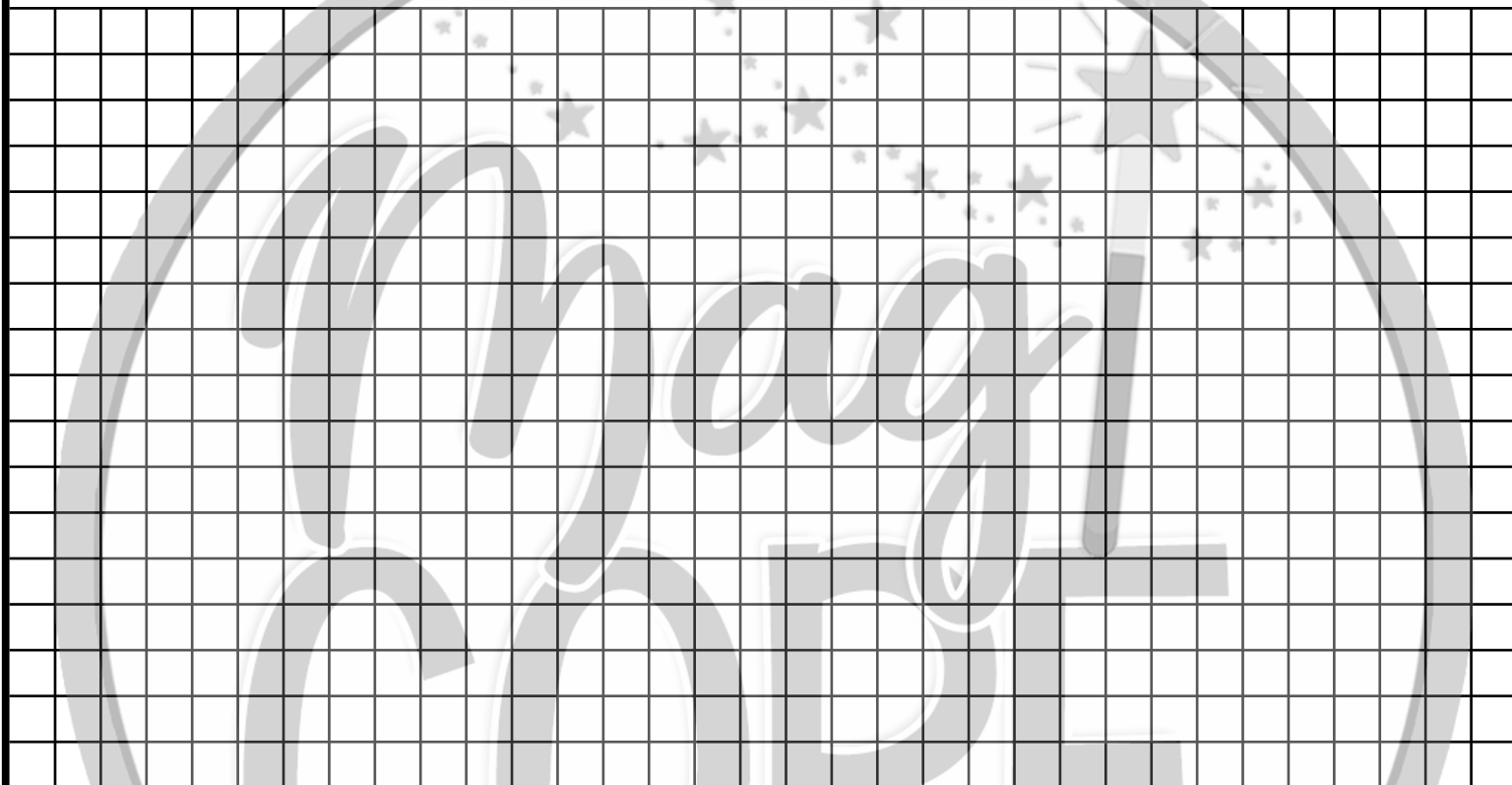
8 Starfish
area

NAME: _____ DATE: _____

CALCULATING AREA

create a petting zoo

Directions: Choose 6 animals to include in a petting zoo and draw their pens on the grid. Determine and record the area of each pen. Each square represents one square foot.



1

animal

area

2

animal

area

3

animal

area

4

animal

area

5

animal

area

6

animal

area

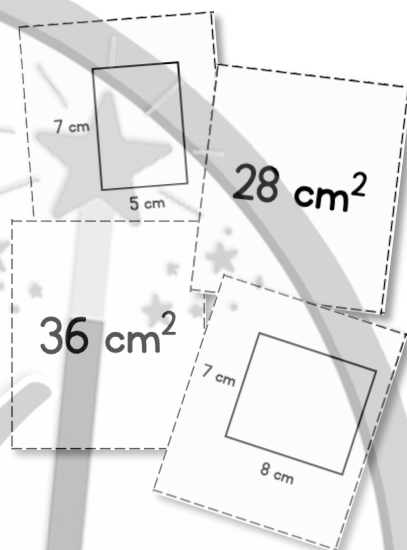
NAME: _____ DATE: _____

CALCULATING AREA

think fast

Directions:

1. Work in pairs or small groups.
2. Cut out the cards on the following two pages, keeping the cards from each page separate.
3. Shuffle the shape cards and place face down in a pile.
4. Shuffle the area cards and place face up in neat rows on a flat surface so that all cards are visible.
5. Flip one shape card over so all players can see.
6. Find the area card that shows the area of the shape on the shape card and touch it.
7. The first person to touch the correct area takes the shape card. Leave the area card in its place.
8. Draw another shape card and repeat.
9. The player with the most shape cards at the end of the game wins.



CALCULATING AREA

think fast – shape cards

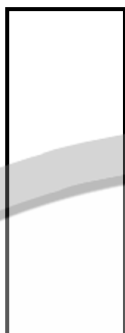


4 cm



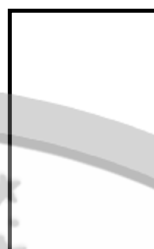
8 cm

9 cm



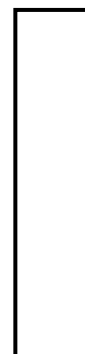
3 cm

7 cm



3 cm

11 cm



3 cm

9 cm



2 cm

5 cm



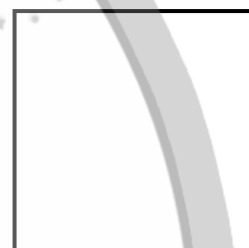
5 cm

7 cm



8 cm

7 cm



7 cm

3 cm



3 cm

7 cm



5 cm

9 cm



8 cm

6 cm



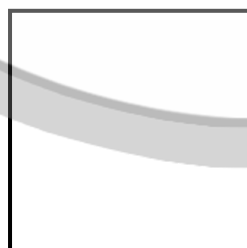
4 cm

6 cm



6 cm

9 cm



9 cm

6 cm



1 cm

4 cm



7 cm

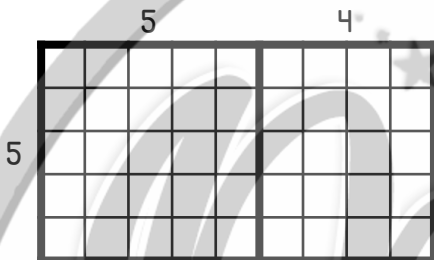
NAME: _____ DATE: _____

CALCULATING AREA

distributive property

Directions: Solve for area of the rectangles below. First, find the area of each small shape within the rectangle and add to solve for total area. Then, find the area of the whole rectangle to check your answer.

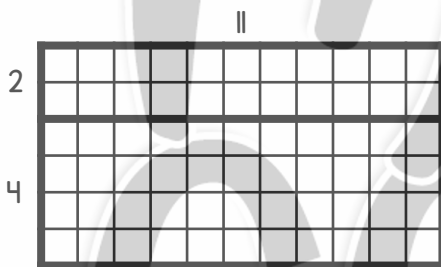
EX



$$(\underline{5} \times \underline{5}) + (\underline{5} \times \underline{4}) = \underline{25} + \underline{20} = \underline{45}$$

$$\underline{5} \times \underline{9} = \underline{45}$$

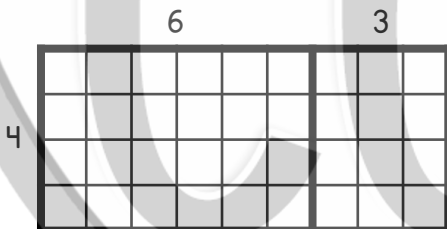
1



$$(\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad}) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

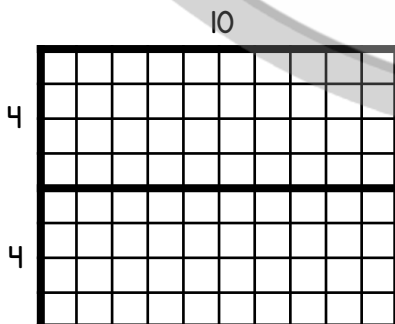
2



$$(\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad}) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

3



$$(\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad}) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

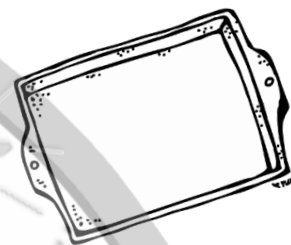
NAME: _____ DATE: _____

CALCULATING AREA

story problems

Directions: Solve for area in the story problems below.

- 1** Mrs. DiGiovanni is cooking a casserole. The casserole dish measures 8 inches long by 9 inches wide. What is the area of the casserole dish?



- 2** The front lawn of Blake's house is 6 yards wide and 10 yards long. What is the total area of Blake's front lawn?



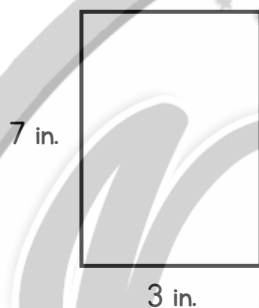
NAME: _____ DATE: _____

CALCULATING AREA

test

Directions: For each shape, solve for area. To check your answer, tile the shape and count the square units.

1



Area: _____ x _____ = _____

2



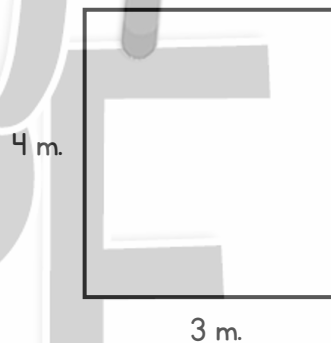
Area: _____ x _____ = _____

3



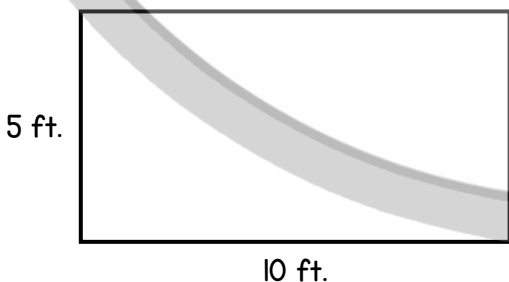
Area: _____ x _____ = _____

4



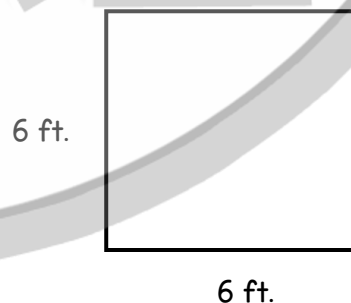
Area: _____ x _____ = _____

5



Area: _____ x _____ = _____

6



Area: _____ x _____ = _____

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