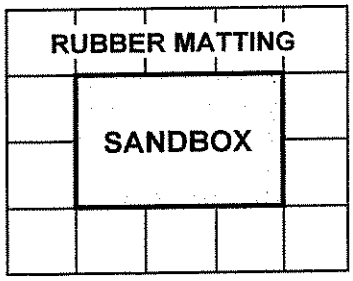
In the Playground

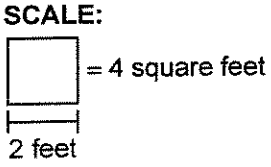
T1

This problem gives you the chance to:
- work with areas

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



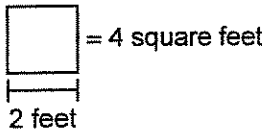


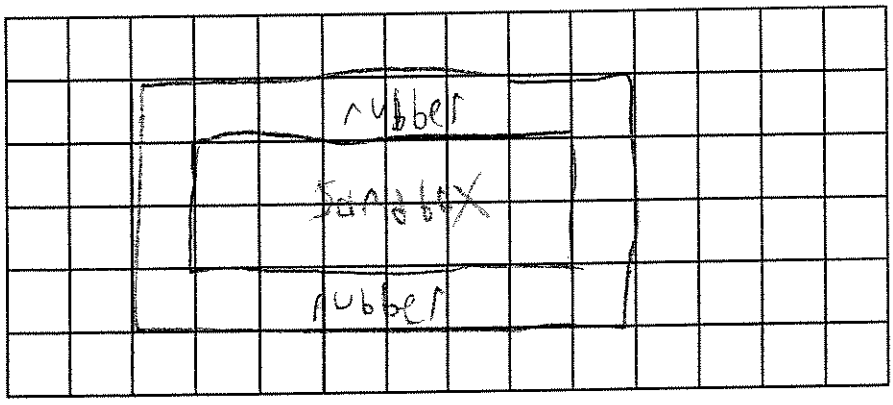
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 80 square feet

4. What is the length and width of the new sandbox?
   length 12 feet
   width 4 feet

8

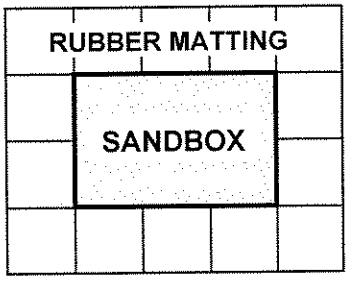
In the Playground

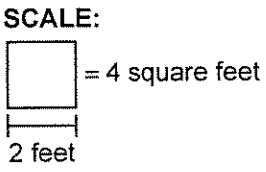
T2

This problem gives you the chance to:
- work with areas

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



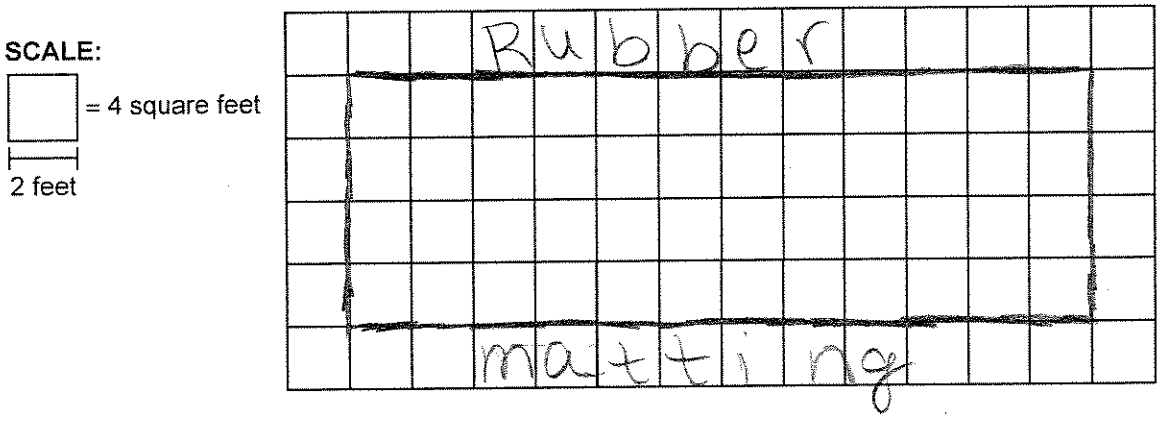


1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 80 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.



3. How many square feet of rubber matting will they need? 144 square feet

4. What is the length and width of the new sandbox?
   length 12 feet
   width 28 feet

8

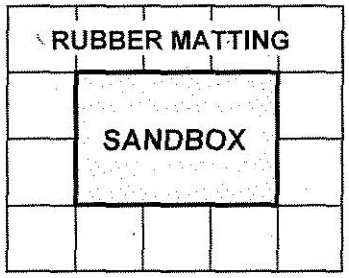
In the Playground

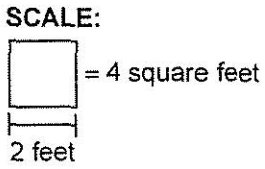
This problem gives you the chance to:
- work with areas

T3

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



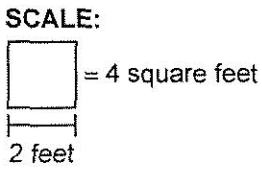


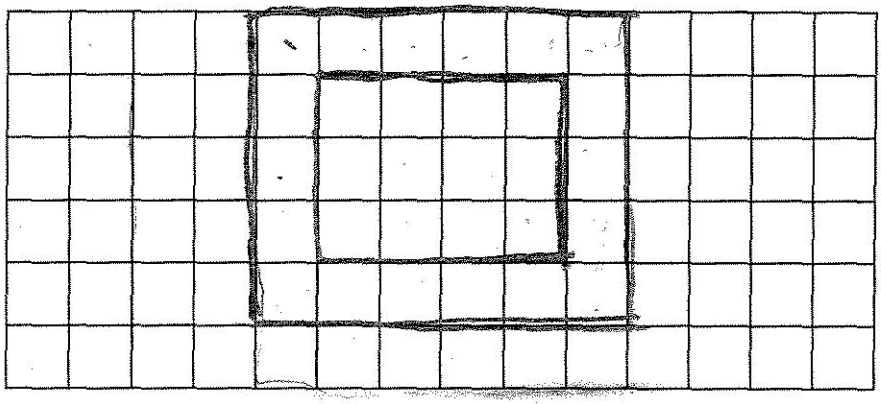
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 72 square feet

4. What is the length and width of the new sandbox?
   length 3 feet
   width 4 feet

8

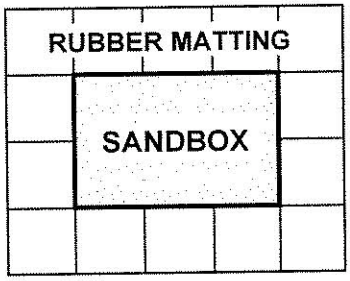
In the Playground

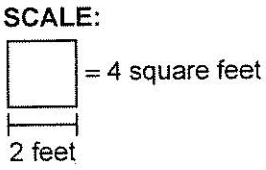
T4

This problem gives you the chance to:
- work with areas

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



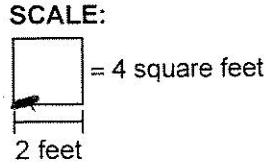


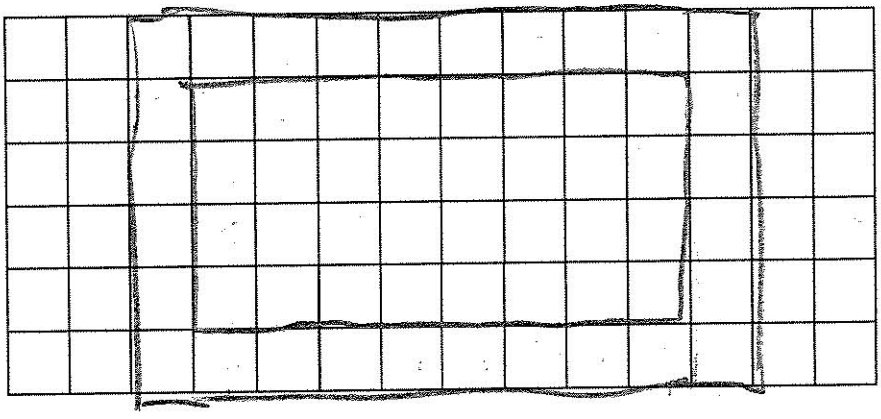
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 112 square feet

4. What is the length and width of the new sandbox? length 10 feet

   width 6 feet

8

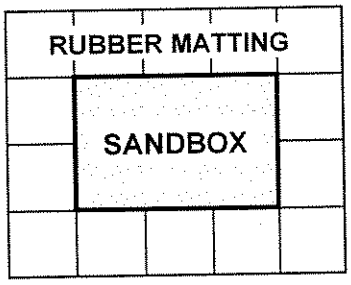
In the Playground

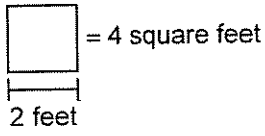
This problem gives you the chance to:
- work with areas

T5

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



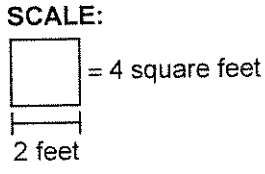


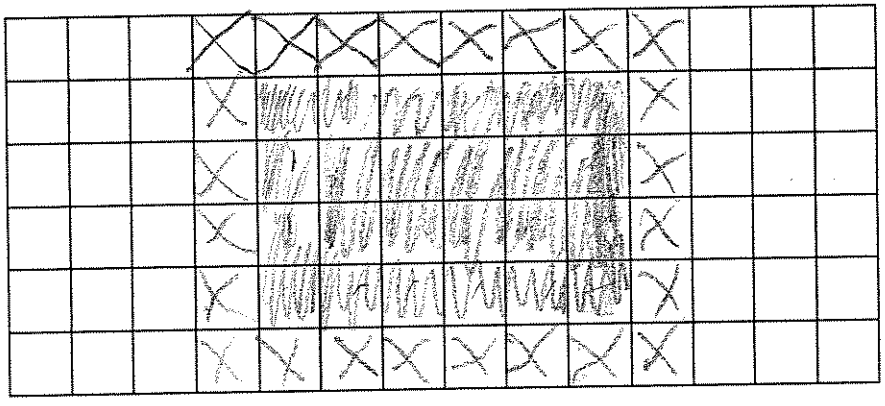
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 96 square feet

4. What is the length and width of the new sandbox? length 12 feet
   width 8 feet

8

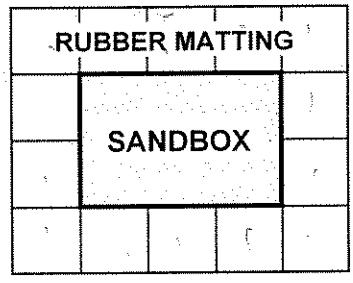
In the Playground

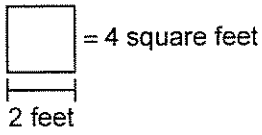
This problem gives you the chance to:
- work with areas

S1

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



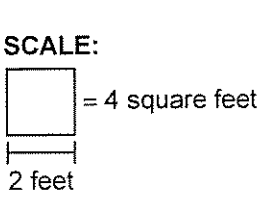


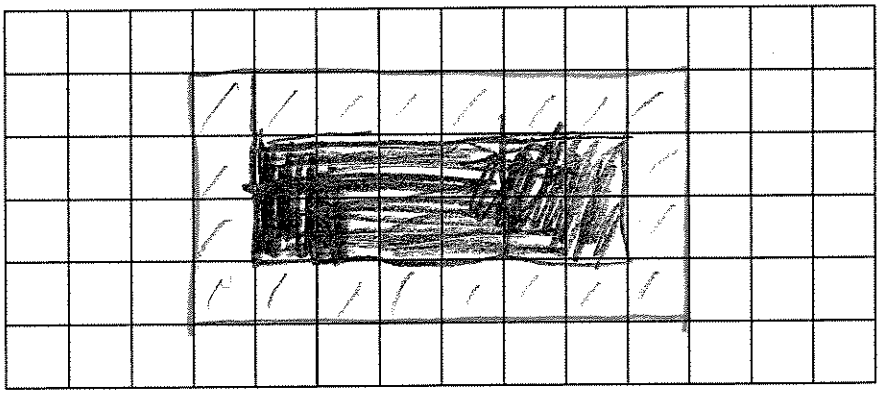
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 80 square feet

4. What is the length and width of the new sandbox?
   length 12 feet
   width 4 feet

8

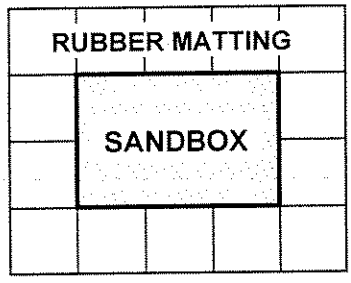
In the Playground

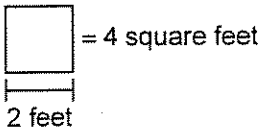
S2

This problem gives you the chance to:
- work with areas

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



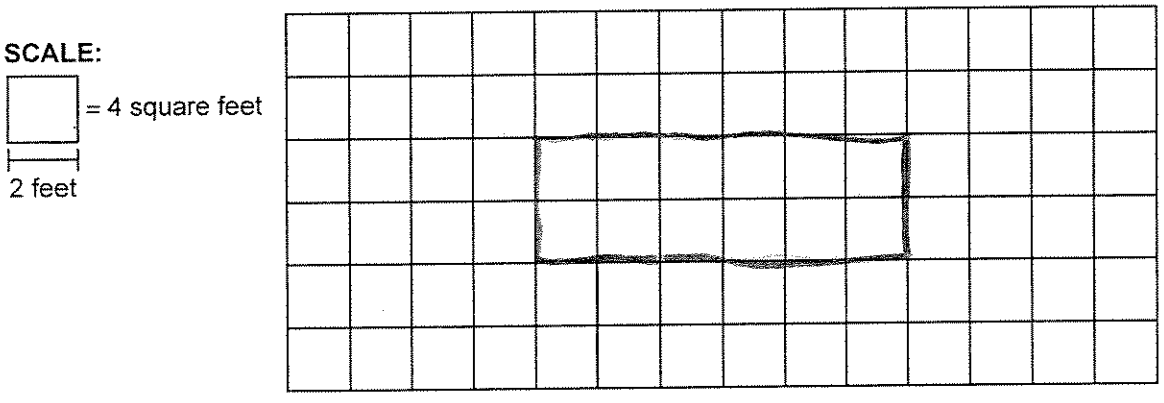


1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 6 square feet Rubber matting area: 14 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.



3. How many square feet of rubber matting will they need? 288 square feet

4. What is the length and width of the new sandbox?
   length 12 feet
   width 4 feet

8

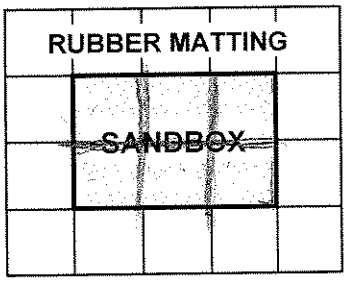
In the Playground

This problem gives you the chance to:
- work with areas

S3

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



SCALE:
= 4 square feet
2 feet

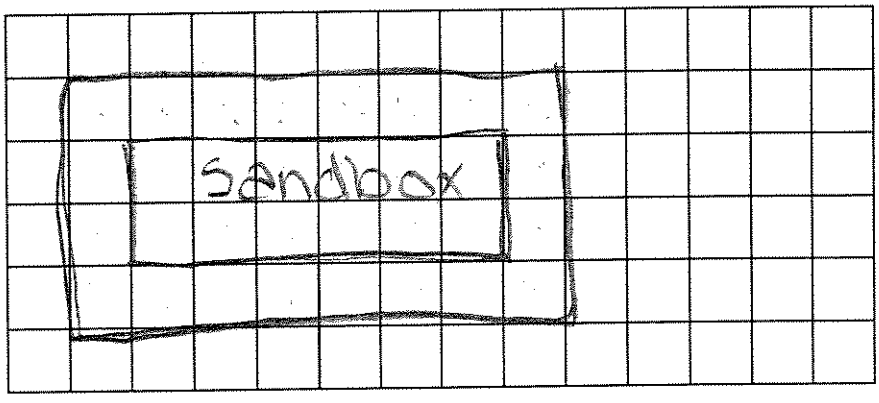
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.

SCALE:
= 4 square feet
2 feet



3. How many square feet of rubber matting will they need? 80 square feet

4. What is the length and width of the new sandbox?
   length 6 feet
   width 2 feet

8

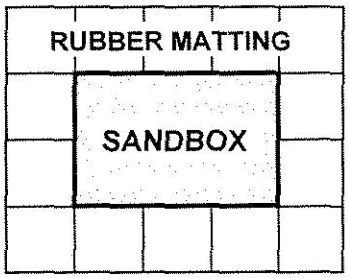
In the Playground

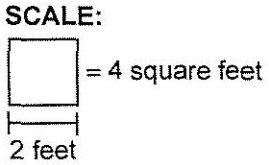
This problem gives you the chance to:
- work with areas

S4

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



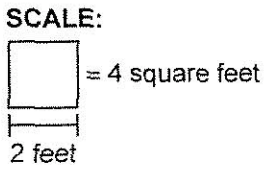


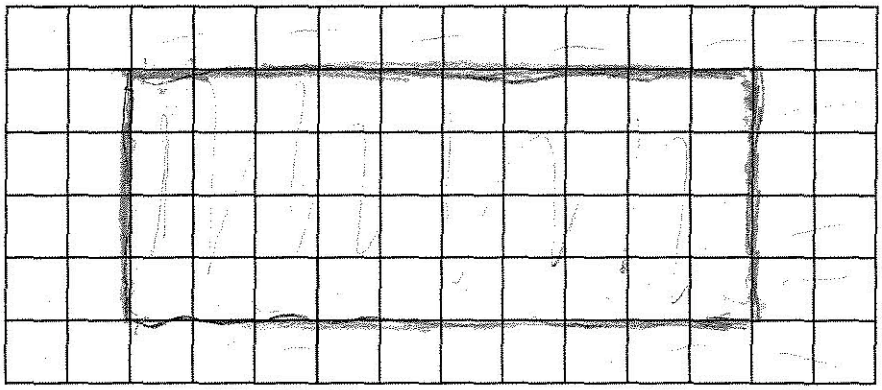
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 176 square feet

4. What is the length and width of the new sandbox? length 36 feet

   width 16 feet

8

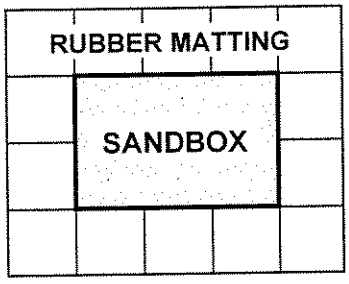
In the Playground

This problem gives you the chance to:
- work with areas

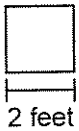
S5

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



SCALE:



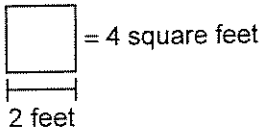
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

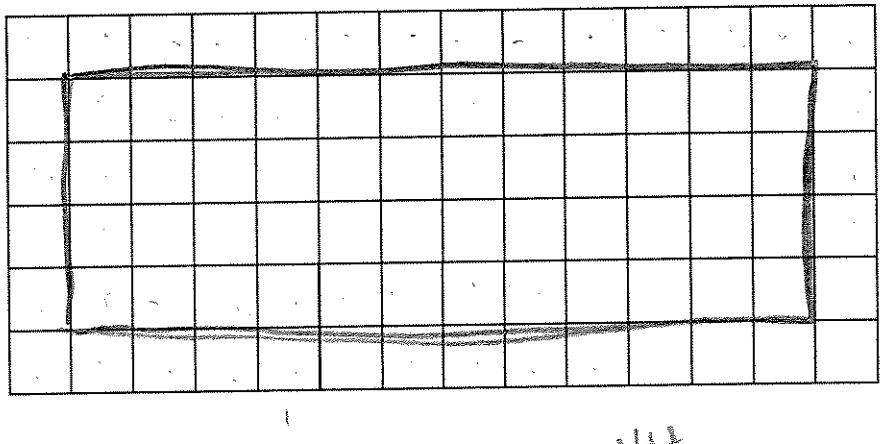
More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.

SCALE:



24



3. How many square feet of rubber matting will they need? 144 square feet

4. What is the length and width of the new sandbox?
   length 24 feet
   width 8 feet

8

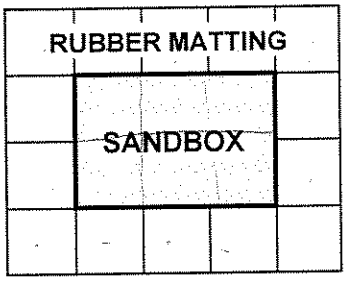
In the Playground

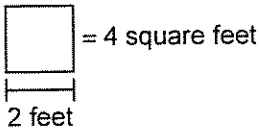
This problem gives you the chance to:
- work with areas

S6

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



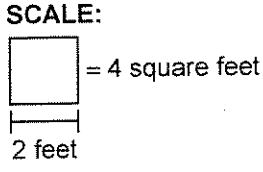


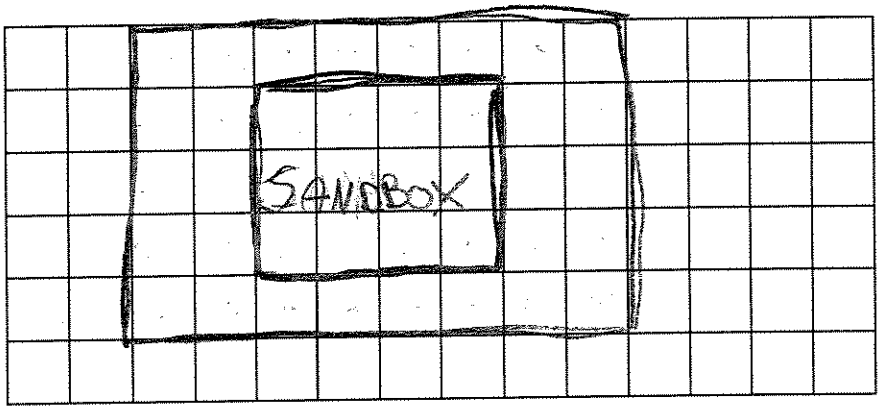
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 112 square feet

4. What is the length and width of the new sandbox?
   length 5 feet
   width 8 feet

8

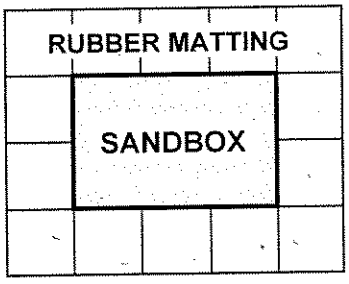
In the Playground

This problem gives you the chance to:
- work with areas

S7

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



SCALE:

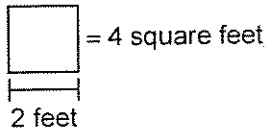
1. Find the area of the sandbox and the area of the rubber matting.

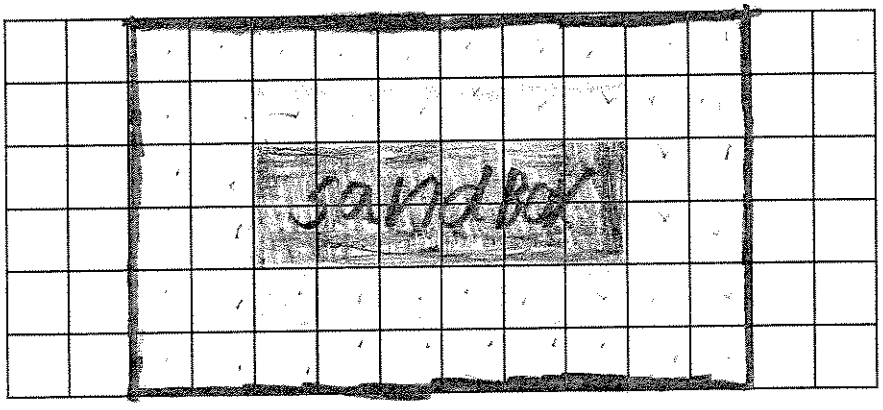
   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.

SCALE:





3. How many square feet of rubber matting will they need? 192 square feet

4. What is the length and width of the new sandbox?
   length 8 feet
   width 48 feet

8

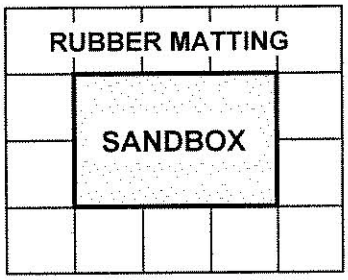
In the Playground

This problem gives you the chance to:
- work with areas

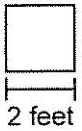
S8

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



SCALE:



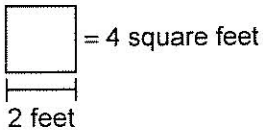
1. Find the area of the sandbox and the area of the rubber matting.

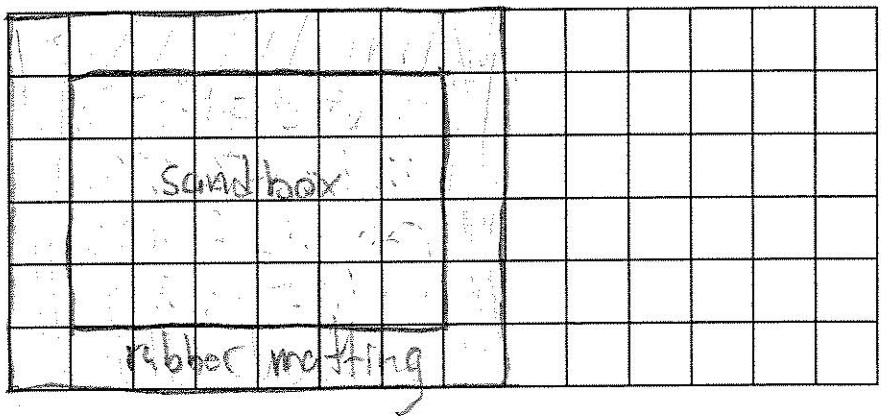
   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.

SCALE:





3. How many square feet of rubber matting will they need? 112 square feet

4. What is the length and width of the new sandbox?
   length 8 feet
   width 6 feet

8

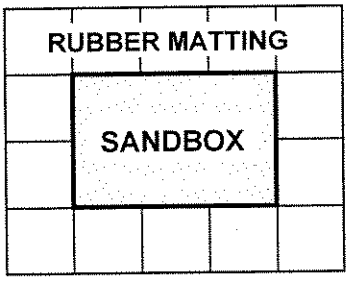
In the Playground

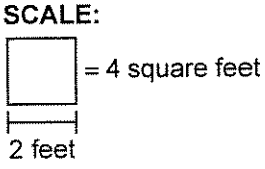
This problem gives you the chance to:
- work with areas

S9

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



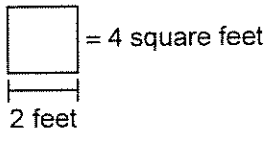


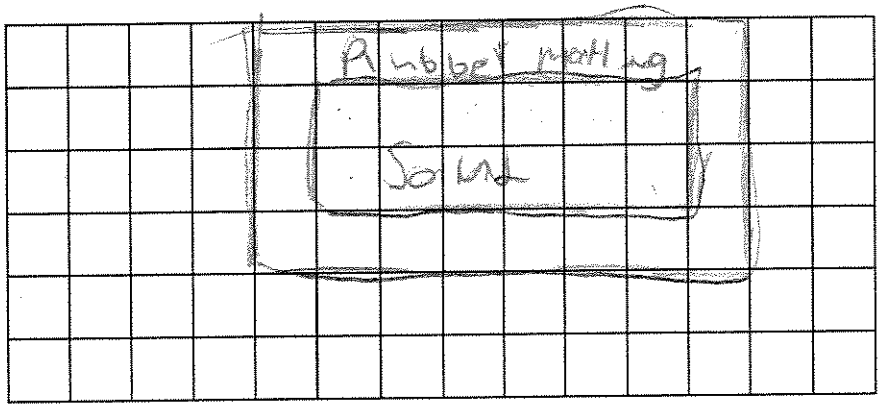
1. Find the area of the sandbox and the area of the rubber matting.

   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground, so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.





3. How many square feet of rubber matting will they need? 112 square feet

4. What is the length and width of the new sandbox? length 12 feet
   width 14 feet

8

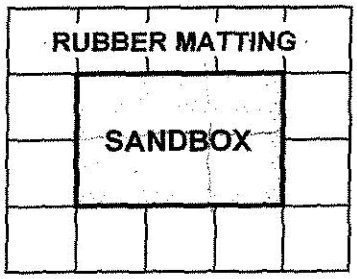
In the Playground

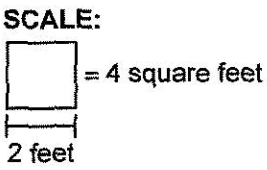
This problem gives you the chance to:
- work with areas

S10

The playground committee decides to make a sandbox area for toddlers.
For safety reasons, the sandbox must be surrounded by a strip of rubber matting that is 2 feet wide.

Here is a scale drawing of the sandbox.



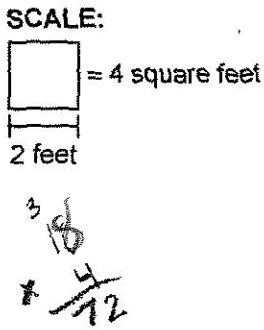


1. Find the area of the sandbox and the area of the rubber matting.

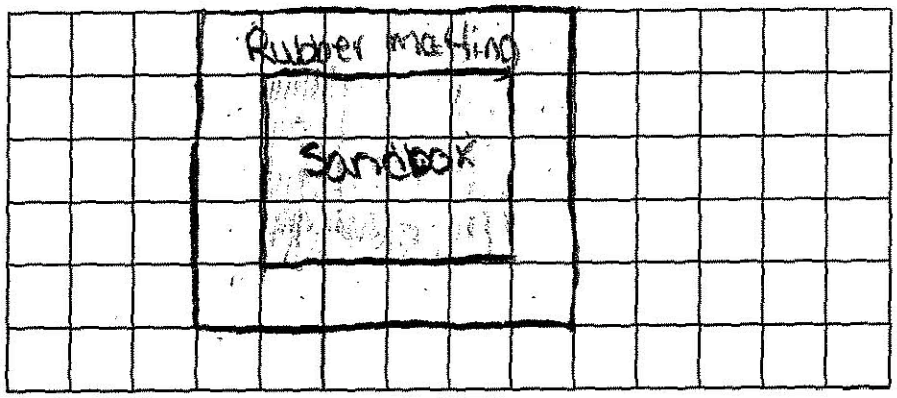
   Sandbox area: 24 square feet Rubber matting area: 56 square feet

More children are using the playground; so the committee decides to double the area of the sandbox.

2. Design a new rectangular sandbox that has double the area of the original sandbox.
   On the grid below, make a scale drawing of the new sandbox and the surrounding rubber matting.



3 18
+ 4 12



3. How many square feet of rubber matting will they need? 72 square feet

4. What is the length and width of the new sandbox? length 8 feet

   width 6 feet

8