

Book 4's Friday Maths

Problem Solving

Make your own copy of this [slideshow](#) and file in your Maths folder.
Show your working under **each** question. You can use any equipment of your choice to show your working, eg. Numicon shapes, IWS, counters, scrap paper... whatever works for you!

Matthew loves to collect football cards. He currently has 251 cards in his collection.

He plans to buy two additional bulk card packs each week. Each bulk card pack has 7 cards and costs \$2.50.

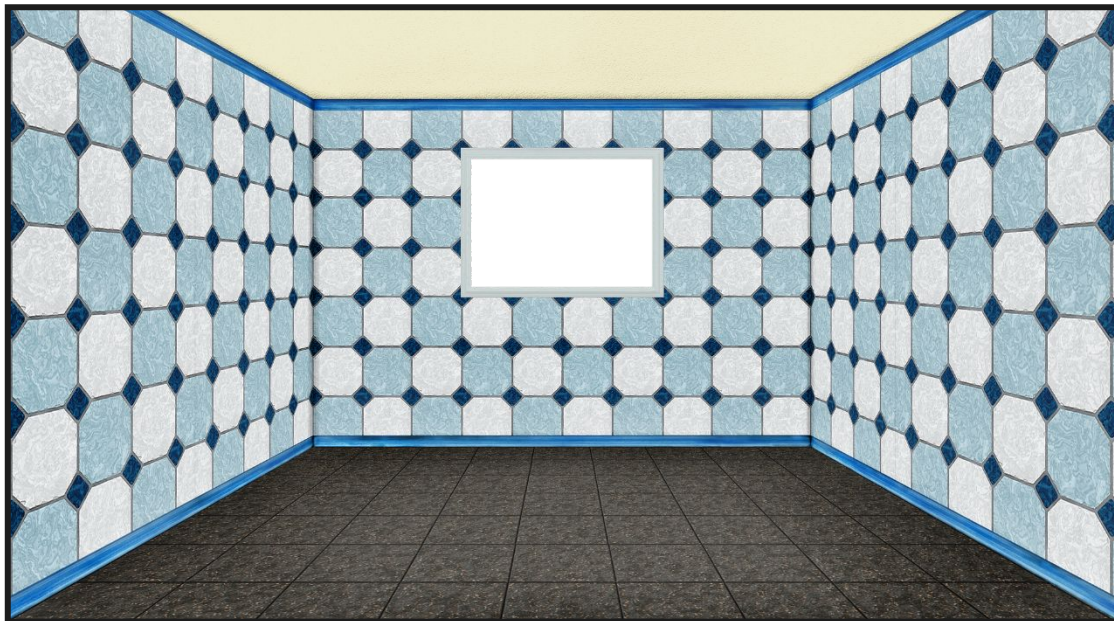
1. How many baseball cards will Matthew have in total in three weeks?
2. How much money will Matthew spend over the three weeks on football cards?



Matthew will spend \$15 on football cards and get about 21 baseball cards.



Maths eyes: Use your maths eyes. What can you see in this picture?



I see triangles and
squares
Is there a box in the
middle ?

1. Use multiplication to find out the number of tiles on the floor.
2. What angles are there in the picture?
3. What shapes can you see?
4. Count the amount of each shape.
5. Create your own question.

Prab owned a sports store.

On Tuesday he sold 15 blue scooters and 76 red scooters.

On Wednesday he sold 56 blue scooters and 84 red scooters.

1. How many more red scooters did Prab sell on Wednesday compared to Tuesday?
2. How many scooters did Prab sell all together on Tuesday and Wednesday?



Prab sold 8 more than tuesday. And all together is 203.



Maths eyes: Use your maths eyes. What can you see in this picture?

How many shapes can you see?



I estimate it to be at least 10 m tall and I can see squares and I think at least 450 people live here.

1. List the 2d shapes you can see.
2. Estimate the height of the building (in any units you want metres or people heights or...!)
3. List the 3d shapes you can see.
4. Estimate how many people you think live in this building.

(1) Jordan rides his bike almost every day.

Two days a week he rides to the post office which is 5 kilometres away.
Three days a week he rides to his uncle's house, which is 7 kilometres away.
One day a week he rides to the supermarket which is 8 kilometres away.

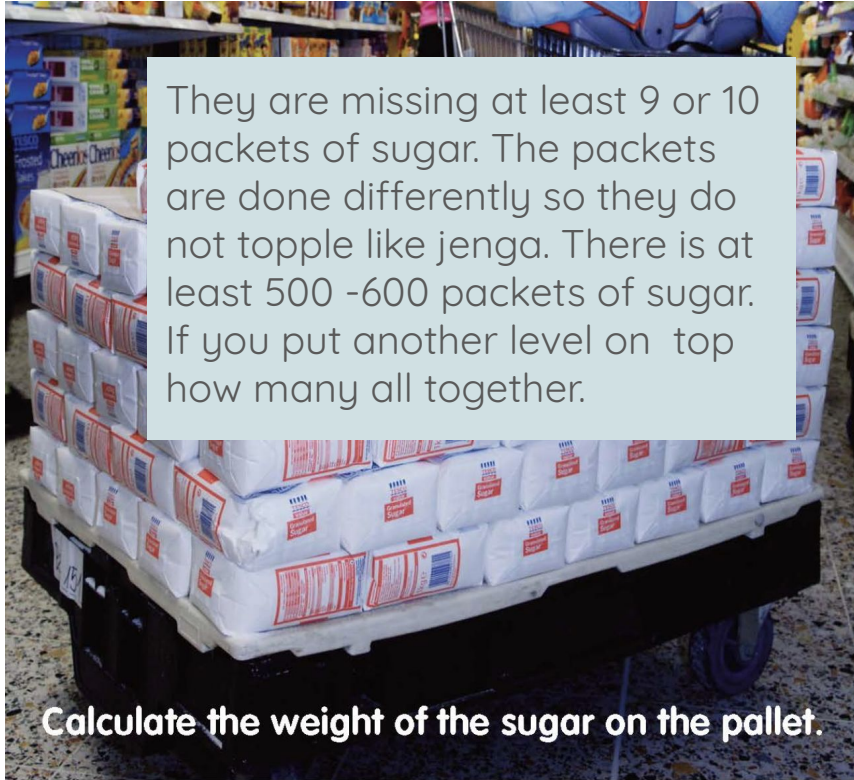
If Jordan rides to the locations, how many kilometres in total does he ride in a week?

(2) Jordan's friend rides 46 kilometres a week. Does Jordan ride more kilometres than his friend? If so, how many more kilometres? If not, how many kilometres less?

Jordan rides 20 kilometres a week and he rides 24 kilometres less than his friend .



Maths eyes: Use your maths eyes. What can you see in this picture?



1. How many packets are missing on the top row?
2. Why are packets stacked differently on every second row?
3. Is a packet of sugar twice as tall as it is wide?
4. How many bags of sugar are there altogether?
5. Create your own question

Maths eyes: Use your maths eyes. What can you see in this picture?



There is 16 triangles, and use triangle because it is easier and it won't topple

1. How many cards are used?
2. Why not do rectangles to build the tower?
3. How many triangles are there?
4. How many cards do you need to make the smallest pyramid?
5. Create your own question