

Math in Our World

Game Card Collection



Trixtan wants a new binder to organize his game cards.

His old binder has 48 pages with 4 cards per page, and it's full.

He's moving the cards to a new, larger binder that has 72 pages and holds 6 cards per page.

How many more cards does he have room for in the new binder?

How might you get started?

- Try drawing sketches to visualize the problem.
- How many cards does he have now?
- How many pages are full in the new binder? Are there any pages partially filled?

Follow Up

Write your own story problem about storing game cards. How would you organize them?
What choices will you give?

Math in Our World **Sample Response**

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How many more cards does he have room for in the new binder?

Trixtan's new binder has room for 240 more cards.

How might you get started?

- Try drawing sketches to visualize the problem.
- How many cards does he have now? **192 cards**
- How many cards would fit in his new binder? **432 cards**
- How many pages are full in the new binder? Are there any pages partially filled?
32 full pages, no partially full pages, or
48 pages with 4 cards on each

