LESSON MAKER PRO

Time Switch

Change between units of time.

GRADE 4 · 4.GM.3.2

4.GM.3.2 "Convert one measure of time to another including seconds to minutes, minutes to hours, hours to days, and vice versa, using various models."

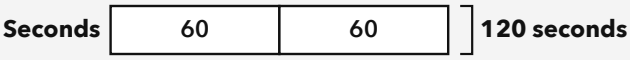
NAME _____ DATE _____

CHANGE THE UNIT

A minute has 60 seconds, an hour has 60 minutes, and a day has 24 hours. Multiply to change a larger unit to a smaller unit. Divide to change a smaller unit to a larger unit.

WORKED EXAMPLE

How many minutes are in 120 seconds?



1. Split 120 seconds into groups of 60.
2. The tape shows 2 groups.
3. Each group is 1 minute.

Answer: 2 minutes

PRACTICE 4 problems

1 4 minutes = ___ seconds

ANSWER _____

2 300 minutes = ___ hours

ANSWER _____

3 6 hours = ___ minutes

ANSWER _____

4 72 hours = ___ days

ANSWER _____

APPLY IT Show your work

1 A game tournament lasts 7 hours. How many minutes is that?

WORK SPACE

ANSWER _____

2 A field trip starts in 96 hours. How many days until it starts?

Hours	24	24	24	24	96 hours

ANSWER _____

CHALLENGE One step up

The school play starts in 1 day and 5 hours. How many minutes until it starts? Show how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Time Switch

GRADE 4 · 4.GM.3.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	4 minutes = ___ seconds	**240 seconds**
2	300 minutes = ___ hours	**5 hours**
3	6 hours = ___ minutes	**360 minutes**
4	72 hours = ___ days	**3 days**

PART 2 · APPLY IT

1. **420 minutes** Each hour has 60 minutes. Seven groups of 60 make 420 minutes.
2. **4 days** Each 24-hour part is 1 day. The tape has 4 parts, so 96 hours is 4 days.

CHALLENGE

1,740 minutes. One day is 24 hours, so the wait is 29 hours. Twenty-nine groups of 60 minutes make 1,740 minutes.

Accept a correct equation or grouping method for the challenge. In the word problems, answers must include the unit.