



**THIRD SPACE
LEARNING**

Converting Metric Units Worksheet

Measurement and Data

Grades 4 to 5

Skill Questions

Name:

Date:

- 1 Convert 4 feet to inches.

Answer

- 2 Convert 9,000 centimeters to meters.

Answer

- 3 Complete the table.

hours	1	2	3	4
minutes				

- 4 Complete the table.

ounces	32	64	96	112
pounds				

- 5 Convert 10,800 seconds to hours.

Answer

Converting Metric Units Worksheet | Grades 4 to 5

- 6 Convert 1.5 liters to milliliters.

Answer

- 7 Complete the table.

meters	15	20	25	40
kilometers				

- 8 Complete the table.

feet	2.5	3	3.5	5
inches				

- 9 Josiah's turtle moved 11.035 meters in 1 hour. How many millimeters did Josiah's turtle move?

Answer

- 10 Georgina drew a picture for 35 minutes. Then she played a video game for 27 minutes. After that she ate lunch for 21 minutes. She finished eating lunch at 1:05 pm. What time did Georgina start drawing the picture?

Answer

Applied Questions

- 11** Dalia read a book for 2 hours and 45 minutes. How many minutes in total did she spend reading the book?

Answer

- 12** A package has 2.5 kilograms of rice. Another package has 1,500 grams of rice. Which package has more rice, and by how much? Show your work and explain your answer.

Answer

- 13** A construction worker needs a total of 2 meters of wood boards. She has 5 pieces of wood, each 40 centimeters long. Does she have enough? Explain your thinking.

Answer

Converting Metric Units Worksheet | Grades 4 to 5

- 14** Felix is making a large batch of lemonade for a picnic and needs 3.5 liters of lemonade. If Felix pours out 750 milliliters of lemonade to fill a pitcher, how many milliliters of lemonade will be left?

Answer

- 15** Jeremy started reading a book at midnight on the first day of summer. What time was it 1,500 minutes after he began reading?

Answer

Answers

Question number	Question	Answers	Standard																				
1	Convert 4 feet to inches.	48 inches	4.MD.A.1																				
2	Convert 9,000 centimeters to meters.	90 meters	4.MD.A.1																				
3	Complete the table. <table><tr><td>hours</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>minutes</td><td></td><td></td><td></td><td></td></tr></table>	hours	1	2	3	4	minutes					<table><tr><td>hours</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>minutes</td><td>60</td><td>120</td><td>180</td><td>240</td></tr></table>	hours	1	2	3	4	minutes	60	120	180	240	4.MD.A.1
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4	Complete the table. <table><tr><td>ounces</td><td>32</td><td>64</td><td>96</td><td>112</td></tr><tr><td>pounds</td><td></td><td></td><td></td><td></td></tr></table>	ounces	32	64	96	112	pounds					<table><tr><td>ounces</td><td>32</td><td>64</td><td>96</td><td>112</td></tr><tr><td>pounds</td><td>2</td><td>4</td><td>6</td><td>7</td></tr></table>	ounces	32	64	96	112	pounds	2	4	6	7	4.MD.A.1
ounces	32	64	96	112																			
pounds																							
ounces	32	64	96	112																			
pounds	2	4	6	7																			
5	Convert 10,800 seconds to hours.	3 hours	4.MD.A.1																				
6	Convert 1.5 liters to milliliters.	1,500 milliliters	5.MD.A.1																				
7	Complete the table. <table><tr><td>meters</td><td>15</td><td>20</td><td>25</td><td>40</td></tr><tr><td>kilometers</td><td></td><td></td><td></td><td></td></tr></table>	meters	15	20	25	40	kilometers					<table><tr><td>meters</td><td>15</td><td>20</td><td>25</td><td>40</td></tr><tr><td>kilometers</td><td>0.015</td><td>0.02</td><td>0.025</td><td>0.04</td></tr></table>	meters	15	20	25	40	kilometers	0.015	0.02	0.025	0.04	5.MD.A.1
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feet	2.5	3	3.5	5																			
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feet	2.5	3	3.5	5																			
inches	30	36	42	60																			
9	Josiah’s turtle moved 11.035 meters in 1 hour. How many millimeters did Josiah’s turtle move?	11,035 millimeters	5.MD.A.1																				

Converting Metric Units Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
10	Georgina drew a picture for 35 minutes. Then she played a video game for 27 minutes. After that she ate lunch for 21 minutes. She finished eating lunch at 1:05 pm. What time did Georgina start drawing the picture?	11:42 am	5.MD.A.1
11	Dalia read a book for 2 hours and 45 minutes. How many minutes in total did she spend reading the book?	165 minutes	4.MD.A.1
12	A package has 2.5 kilograms of rice. Another package has 1,500 grams of rice. Which package has more rice, and by how much? Show your work and explain your answer.	Answers will vary. Example answer: The 1,500 grams is 1.5 kilograms, since there are 1,000 grams in 1 kilogram and $1,500 \div 1,000 = 1.5$ kilograms. This means the other package is larger by 1 kilogram, since $2.5 - 1.5 = 1$ kilogram.	4.MD.A.1
13	A construction worker needs a total of 2 meters of wood boards. She has 5 pieces of wood, each 40 centimeters long. Does she have enough? Explain your thinking.	Answers will vary. Example answer: Yes, because $5 \times 40 = 200$ centimeters and $200 \text{ cm} = 2 \text{ meters}$.	4.MD.A.1
14	Felix is making a large batch of lemonade for a picnic and needs 3.5 liters of lemonade. If Felix pours out 750 milliliters of lemonade to fill a pitcher, how many milliliters of lemonade will be left?	2,750 milliliters	5.MD.A.1

Converting Metric Units Worksheet | Grades 4 to 5 | Answers




Question number	Question	Answers	Standard
15	Jeremy started reading a book at midnight on the first day of summer. What time was it 1,500 minutes after he began reading?	1:00 am (2nd day of summer)	5.MD.A.1

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