

Chapter 14: Unit of Measurement

Convert the following customary units.

1. $1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

2. $\frac{1}{2} \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

3. $1 \text{ m } 35 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

4. $80 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

5. $100 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

6. $57 \text{ feet} = \underline{\hspace{2cm}} \text{ yards}$

7. $2000 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$

8. $1\frac{1}{2} \text{ km} = \underline{\hspace{2cm}} \text{ m}$

9. $2 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

10. $12 \text{ inches} = \underline{\hspace{2cm}} \text{ feet}$

11. $1 \text{ foot} = \underline{\hspace{2cm}} \text{ miles}$

12. $6 \text{ cm } 7 \text{ mm} = \underline{\hspace{2cm}} \text{ mm}$

13. $3\frac{1}{2} \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

14. $4\frac{1}{4} \text{ km} = \underline{\hspace{2cm}} \text{ m}$

15. $3\frac{1}{5} \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

16. $1\frac{1}{2} \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

17. $1 \text{ km } 300 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

18. $3 \text{ cm } 5 \text{ mm} = \underline{\hspace{2cm}} \text{ mm}$

19. $1 \text{ mile} = \underline{\hspace{2cm}} \text{ yards}$

20. $2\frac{1}{4} \text{ km} = \underline{\hspace{2cm}} \text{ cm}$

Compare and choose the correct answer by multiplying.

A bath mat is 1 foot long. If 4 bath mats placed in a line, would they be longer than 1 yard? Show your steps.

A. Yes

B. No

A car key is 12cm long. If 10 keys are placed in a line, will they be longer than 1 meter?

A. Yes

B. No



A flute is 350mm long. Is a line of 6 flutes longer than 100cm?

A. Yes

B. No

Convert metric unit of length.

1. $5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

2. $7\frac{1}{2} \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

3. $9 \text{ kg} = \underline{\hspace{2cm}} \text{ mg}$

4. $800000 \text{ mg} = \underline{\hspace{2cm}} \text{ kg}$

5. $250000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

6. $789000 \text{ cg} = \underline{\hspace{2cm}} \text{ kg}$

7. $1 \text{ kg} = \underline{\hspace{2cm}} \text{ cg}$

8. $1\frac{1}{2} \text{ g} = \underline{\hspace{2cm}} \text{ cg}$

9. $24 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

10. $0.5 \text{ kg} = \underline{\hspace{2cm}} \text{ cg}$

11. $4 \text{ kg } 30 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

12. $3 \text{ kg } 584 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

13. $4312 \text{ g} = \underline{\hspace{1cm}} \text{ kg } \underline{\hspace{1cm}} \text{ g}$

14. $2099 \text{ g} = \underline{\hspace{1cm}} \text{ kg } \underline{\hspace{1cm}} \text{ g}$

15. $4 \text{ kg } 5 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

16. $1\frac{1}{2} \text{ kg} = \underline{\hspace{2cm}} \text{ cg}$

17. $10 \text{ cg} = \underline{\hspace{2cm}} \text{ mg}$

18. $3 \text{ g } 5 \text{ mg} = \underline{\hspace{2cm}} \text{ mg}$

19. $4000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

20. $2\frac{1}{4} \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

Add and subtract the following metric mixed units. Show your workings in the blanks given.

1. $1 \text{ m } 12 \text{ cm} + 8 \text{ m } 7 \text{ cm} = \underline{\hspace{2cm}} \text{ m } \underline{\hspace{2cm}} \text{ cm}$

2. $5 \text{ kg } 982 \text{ g} - 2 \text{ kg } 126 \text{ g} = \underline{\hspace{2cm}} \text{ kg } \underline{\hspace{2cm}} \text{ g}$

3. $36 \text{ km } 534 \text{ m} - 28 \text{ km } 356 \text{ m} = \underline{\hspace{2cm}} \text{ km } \underline{\hspace{2cm}} \text{ m}$

4. $56 \text{ kg } 111 \text{ g} + 2 \text{ kg } 87 \text{ g} = \underline{\hspace{2cm}} \text{ kg } \underline{\hspace{2cm}} \text{ g}$

5. $126 \text{ kg } 35 \text{ g} + 23 \text{ kg } 573 \text{ g} = \underline{\hspace{2cm}} \text{ kg } \underline{\hspace{2cm}} \text{ g}$

6. $31 \text{ km } 573 \text{ m} - 18 \text{ km } 26 \text{ m} = \underline{\hspace{2cm}} \text{ km } \underline{\hspace{2cm}} \text{ m}$

