



TABE

Math-E

Unit-5 Measurement and Data

REVIEW

Revised: October 16, 2023

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Some graphics may not have copied well during the scan process.

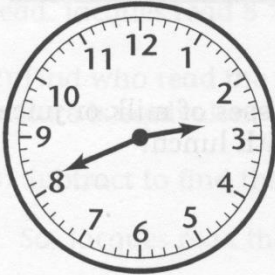
Math-E - Unit-5 - Review

Read each question. Select the correct answer.

1. Tony measures his front yard to find how much fencing he needs. Which of the following is the most likely measurement?

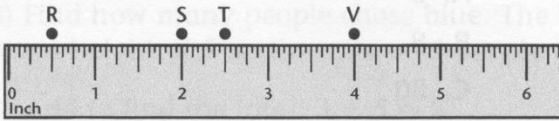
A. 1 in. B. 1 ft
C. 100 in. D. 100 ft

2. What time is shown on the clock?



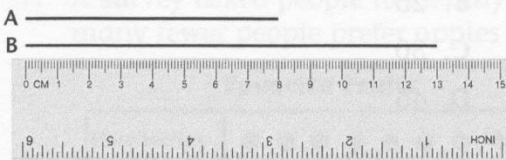
A. 2:08 B. 2:41
C. 3:41 D. 8:13

3. Which point on the ruler marks $2\frac{1}{2}$ inches?



A. Point R B. Point S
C. Point T D. Point V

4. How much longer is Line B than Line A?



A. 5 cm B. 8 cm
C. 13 cm D. 21 cm

5. Claire measures out half a stick of butter to make pastry dough. Which of the following is the most likely measurement?

A. 3 grams B. 3 kilograms
C. 65 grams D. 65 kilograms

Use the picture graph to answer questions 6 through 8.

Money Earned Today

Sally	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Henry	\$ \$ \$
Alex	\$ \$ \$ \$ \$ \$
Fiona	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

Key: Each \$ = 10 dollars

6. How much more money did Fiona earn than Henry earned?

A. \$3 B. \$7
C. \$70 D. \$100

7. Which statements are true? Select two.

A. Sally and Henry's earnings are equal to Fiona's.
B. Alex and Henry's earnings are equal to Sally's.
C. Alex and Henry's earnings are greater than Fiona's.
D. Fiona earns twice as much as Alex.

8. How much did Sally, Henry, Alex, and Fiona earn?

A. \$24 B. \$26
C. \$240 D. \$260

9. Jason takes his golden retriever to the veterinarian. Which of the following is the most likely mass of Jason's dog?

A. 32 grams B. 32 kilograms
C. 5 grams D. 5 kilograms

Math-E - Unit-5 - Review

10. What is the volume of water in the measuring cup?

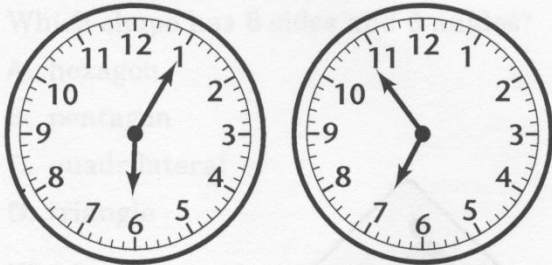


- A. 100 L B. 100 mL
C. 200 L D. 200 mL

11. Tanya measures the length of a swimming pool. Which of the following is the most likely measurement?

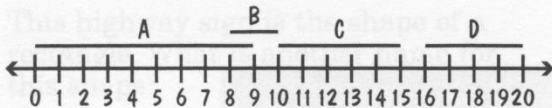
- A. 50 meters B. 50 kilometers
C. 5 meters D. 5 kilometers

12. How much time has passed?



- A. 67 minutes B. 49 minutes
C. 11 minutes D. 3 minutes

13. John builds a stone wall that is 9 feet long. Which line most accurately represents the length of the wall?



- A. Line A B. Line B
C. Line C D. Line D

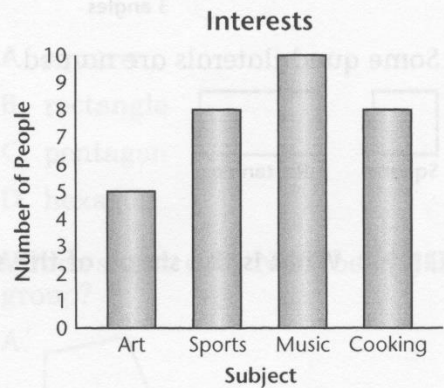
14. Stacey needs to be at work by 8:20. It is 8:03. How many more minutes until Stacey needs to be at work?

- A. 73 minutes B. 47 minutes
C. 17 minutes D. 13 minutes

15. Carlos has a ladder that is 8 feet tall. He wants to reach a tree branch that is 12 feet high. How much longer does Carlos's ladder need to be to reach the branch?

- A. 20 ft B. 16 ft
C. 12 ft D. 4 ft

Use the bar graph to answer questions 16 and 17.



16. How many people are interested in art and cooking?

- A. 5 people B. 8 people
C. 13 people D. 15 people

17. How many more people are interested in music than sports?

- A. 2 people B. 3 people
C. 12 people D. 27 people

Math-E - Unit-5 - Review

Unit 5

Review: Measurement and Data

- 1. D.** A front-yard fence is best measured in feet. 2.MD.3
- 2. B.** 2:41. The hour hand points between the 2 and 3, meaning that the hour is still 2. The minute hand points to one mark after the 8. You can count by fives from the top of the hour to the eight (40), and add one more minute to get 41. 3.MD.1
- 3. C.** Point *T* is located halfway between 2 and 3 on the ruler. 3.MD.4
- 4. A.** $13 - 8 = 5$. 2.MD.4
- 5. C.** Butter for pastry dough is most likely to be a small amount, so grams is the best choice. 3 grams is too little an amount for half a stick of butter. 3.MD.2
- 6. C.** Each \$ is equal to \$10. Fiona earns \$100 because $10 \times 10 = 100$. Henry earns \$30 because $3 \times 10 = 30$. $100 - 30 = 70$. 3.MD.3
- 7. B, D.** $50 + 30 = 80$, $50 \times 2 = 100$. 2.MD.10, 3.MD.3
- 8. D.** $80 + 30 + 50 + 100 = 260$. 3.MD.3
- 9. B.** The dog is too large to be measured in grams, so kilograms is the best choice. A golden retriever would be about 32 kg. 3.MD.2
- 10. D.** The measuring cup is in mL, and it is filled to 200. 3.MD.2
- 11. A.** A swimming pool is too long to be measured in centimeters. Meters is the best choice. 5 meters would be too short for a pool. 2.MD.2
- 12. B.** The first clock shows 6:05. The second clock shows 6:54. Since the hour is the same, you can subtract the minutes; $54 - 5 = 49$. 3.MD.1
- 13. A.** Line A stretches from 0 to 9. 2.MD.6
- 14. C.** From 8:03 count how many minutes until 8:20. $3 + 17 = 20$. 3.MD.1
- 15. D.** $12 - 8 = 4$. 2.MD.6
- 16. C.** $5 + 8 = 13$. 2.MD.10
- 17. A.** $10 - 8 = 2$. 2.MD.10

Math-E - Practice - Unit-5 Review

1. Mary measures the width of a fireplace insert in feet. Then she measures the same width again in inches. Which of the following sets of measurements could be the width of the fireplace insert?

- A. 3 ft; 36 in. B. 3 ft; 20 in.
C. 2 ft; 20 in. D. 2 ft; 36 in.

2. An MRI machine is three meters long. How many centimeters long is the MRI machine?

- A. 3 cm B. 30 cm
C. 300 cm D. 3,000 cm

3. Ebony measures her pencil. Which measurement is most likely the length of the pencil?

- A. 15 cm B. 15 m
C. 150 cm D. 150 m

4. About how long is the piece of wood?



- A. about 8 in. B. about 5 in.
C. about 3 in. D. about 2 in.

5. How much longer is the bass than the perch?

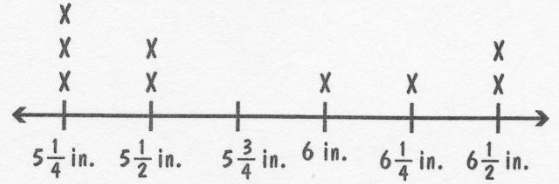
Fish	Length
bass	23 in.
carp	16 in.
perch	8 in.

- A. 7 in. B. 8 in.
C. 15 in. D. 31 in.

6. Amida puts a pizza in the oven at 6:27. The pizza bakes for 28 minutes. What time does Amida take the pizza out of the oven?

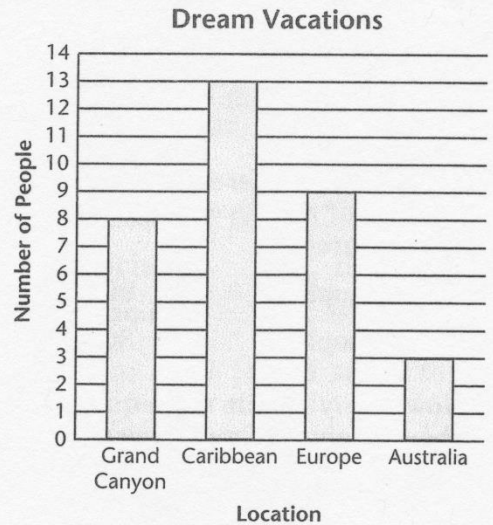
- A. 7:05 B. 6:42
C. 6:45 D. 6:55

7. Barkha records the lengths of her colored pencils on a line plot. Which two statements are true?



- A. Barkha has 7 pencils.
B. Barkha has 1 pencil that is $5\frac{3}{4}$ inches long.
C. Barkha has 2 pencils that are $6\frac{1}{4}$ inches long.
D. Barkha has 5 pencils that are less than 6 inches long.
E. Barkha has 2 more of the pencils that are $5\frac{1}{4}$ inches long than she has pencils that are $5\frac{1}{2}$ inches long.
F. Barkha has the same number of pencils that are $5\frac{1}{2}$ inches long as $6\frac{1}{2}$ inches long.

8. How many more people hope to visit the Grand Canyon than Australia?



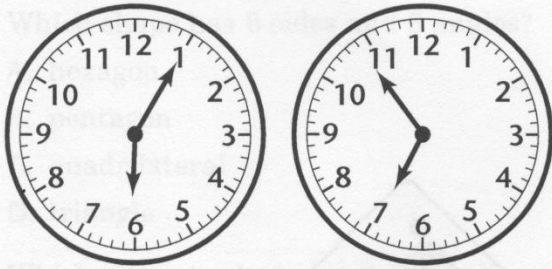
- A. 1 person B. 4 people
C. 5 people D. 6 people

Math-E - Practice - Unit-5 Review

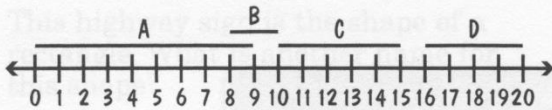
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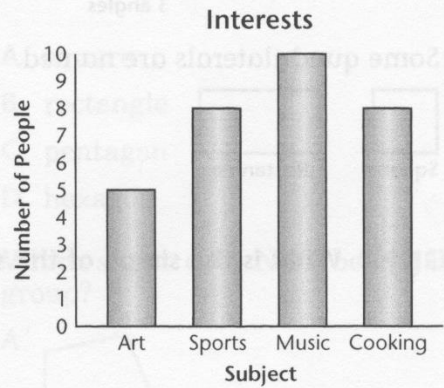
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Math-E - Practice - Unit-5 Review

Unit 5

Review: Measurement and Data

pp. 24–25

1. A. Because the same fireplace insert is being measured, there should be fewer feet than inches. Three feet equals 36 inches; $12 + 12 + 12 = 36$. 2.MD.2
2. C. $100 + 100 + 100 = 300$; 3 meters is the same as 300 centimeters. 2.MD.2
3. A. A pencil is too small to be measured in meters. A pencil would be shorter than 150 centimeters. The most reasonable estimate is 15 centimeters. 2.MD.3
4. B. The blue line represents 1 inch. The length of the piece of wood is about five blue lines, or about 5 inches. 2.MD.3
5. C. The difference can be found by subtracting, $23 - 8 = 15$ inches. The bass is 15 inches longer than the perch. 2.MD.4
6. D. Count by 5s and 1s or add to find the number of minutes: $27 + 28 = 55$. Amida takes the pizza out of the oven at 6:55. 3.MD.1
7. D, F. There are 3 Xs above $5\frac{1}{4}$ in. and 2 Xs above $5\frac{1}{2}$ in., so there are 5 pencils that are less than 6 inches long. There are 2 Xs above $5\frac{1}{2}$ in. and 2 Xs above $6\frac{1}{2}$ in., so Barkha has the same number of pencils that are $5\frac{1}{2}$ inches long as $6\frac{1}{2}$ inches long. 3.MD.4
8. C. $8 - 3 = 5$; Five more people hope to visit the Grand Canyon than Australia. 2.MD.10
9. Part A: A. The hour hand is between the 8 and the 9, which means that it is approaching 9 o'clock, but is not yet 9. The minute hand is pointing at the fourth mark past 12, which means 4 minutes. The time is 8:04. 3.MD.1
Part B: B. Subtract or count back: $45 - 16 = 29$. Aitana needs to leave by 8:29. Subtract: $29 - 4 = 25$. Aitana leaves in 25 minutes. 3.MD.1
10. A. The capacity of a watering can is too large to be measured in milliliters. A watering can could not hold 70 liters of water. The most reasonable estimate is 7 liters. 3.MD.2
11. D. $8 \times 4 = 32$; The total mass of the boxes is 32 kilograms. 3.MD.2
12. A, F. A ceiling fan and a picnic table would most likely be measured in kilograms. 3.MD.2
13. B. Line A shows the height of the fence; $5 + 4 = 9$. 3.MD.6
14. B. $450 + 500 = 950$; Vinnie donates 950 milliliters of blood. 3.MD.2
15. C. There are 10 total birds on the picture graph. Each bird represents 2 sightings: $10 \times 2 = 20$ birds. 3.MD.3
16. D. $45 \div 5 = 9$; Alondra uses 9 test tubes. 3.MD.2