

Q1 (Problem Solving) Day 90 **Name:** _____

1. At the start of an event, **20 people** are in a hall. Each person is **either sitting or standing**. Some time later **2 people** that were sitting, stand up. Now **half** the hall are **sitting**. **How many** people were **standing** at the **start** of the event?

Write your answer in the space below.

_____ people

2. At the start of an event, **40 people** are in a hall. Each person is **either sitting or standing**. Some time later **6 people** that were sitting, stand up. Now **a quarter** the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

3. At the start of an event, **60 people** are in a hall. Each person is **either sitting or standing**. Some time later **9 people** that were sitting, stand up. Now **three quarters** of the hall are **sitting**. **How many** people were **standing** at the **start** of the event? Write your answer in the space below.

_____ people

4. At the start of an event, **60 people** are in a hall. Each person is **either sitting or standing**. Some time later **7 people** that were sitting, stand up. Now **a third** of the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

5. At the start of an event, **70 people** are in a hall. Each person is **either sitting or standing**. Some time later **4 people** that were sitting, stand up. Now **a fifth** of the hall are **sitting**. **How many** people were **standing** at the **start** of the event? Write your answer in the space below.

_____ people

6. At the start of an event, **90 people** are in a hall. Each person is **either sitting or standing**. Some time later **11 people** that were sitting, stand up. Now **two thirds** of the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

7. At the start of an event, **100 people** are in a hall. Each person is **either sitting or standing**. Some time later **14 people** that were sitting, stand up. Now **three quarters** of the hall are **sitting**. **How many** people were **standing** at the **start** of the event? Write your answer in the space below.

_____ people

8. At the start of an event, **110 people** are in a hall. Each person is **either sitting or standing**. Some time later **22 people** that were sitting, stand up. Now **three fifths** of the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

9. At the start of an event, **120 people** are in a hall. Each person is **either sitting or standing**. Some time later **27 people** that were sitting, stand up. Now **seven tenths** of the hall are **sitting**. **How many** people were **standing** at the **start** of the event? Write your answer in the space below.

_____ people

10. At the start of an event, **150 people** are in a hall. Each person is **either sitting or standing**. Some time later **17 people** that were sitting, stand up. Now **three tenths** of the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

11. At the start of an event, **156 people** are in a hall. Each person is **either sitting or standing**. Some time later **19 people** that were sitting, stand up. Now **five twelfths** of the hall are **sitting**. **How many** people were **standing** at the **start** of the event? Write your answer in the space below.

_____ people

12. At the start of an event, **165 people** are in a hall. Each person is **either sitting or standing**. Some time later **36 people** that were sitting, stand up. Now **seven fifteenths** of the hall are **sitting**. **How many** people were **sitting** at the **start** of the event? Write your answer in the space below.

_____ people

Answers**1. 8****2. 16****3. 6****4. 27****5. 52****6. 71****7. 11****8. 88****9. 9****10.62****11.72****12.113**