

Q5 (Problem Solving) Day 100**Name:** _____

1. A bath holds 100 litres of water when full. The tap lets out 20 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

2. A bath holds 90 litres of water when full. The tap lets out 15 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

3. A bath holds 108 litres of water when full. The tap lets out 9 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

4. A bath holds 175 litres of water when full. The tap lets out 25 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

5. A bath holds **55 litres** of water when **half full**. The tap lets out **11 litres of water every minute**. How long does it take to **fill** the bath **completely** with water? Write your answer, **in seconds**, in the space below.

_____ seconds

6. A bath holds **42 litres** of water when **half full**. The tap lets out **21 litres of water every minute**. How long does it take to **fill** the bath **completely** with water? Write your answer, **in seconds**, in the space below.

_____ seconds

7. A bath holds **300 litres** of water when **half full**. The tap lets out **50 litres of water every minute**. How long does it take to **fill** the bath **completely** with water? Write your answer, **in seconds**, in the space below.

_____ seconds

8. A bath holds **180 litres** of water when **half full**. The tap lets out **45 litres of water every minute**. How long does it take to **fill** the bath **a quarter full** of water? Write your answer, **in seconds**, in the space below.

_____ seconds

9. A bath holds 135 litres of water when a quarter full. The tap lets out 27 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

10. A bath holds 26 litres of water when quarter full. The tap lets out 4 litres of water every minute. How long does it take to fill the bath half full of water? Write your answer, in seconds, in the space below.

_____ seconds

11. A bath holds 120 litres of water when one third full. The tap lets out 60 litres of water every minute. How long does it take to fill the bath completely with water? Write your answer, in seconds, in the space below.

_____ seconds

12. A bath holds 110 litres of water when one third full. The tap lets out 15 litres of water every minute. How long does it take to half fill the bath with water? Write your answer, in seconds, in the space below.

_____ seconds

Answers

- 1. 300**
- 2. 360**
- 3. 720**
- 4. 420**
- 5. 600**
- 6. 240**
- 7. 720**
- 8. 120**
- 9. 1200**
- 10. 780**
- 11. 360**
- 12. 660**