

Q1-Q2 (Ratio/% in-decrease) Day 105 Name: _____

1. A person goes to the shop. It costs **£1.20 for 0.5L** of water.

a) How much does it cost for **1000ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **10% reduction** in the previous price above. How much does it cost **now** for **1000ml** of water? Write your answer in the space below.

£ _____

2. A person goes to the shop. It costs **£1.40 for 0.25L** of water.

a) How much does it cost for **1500ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **10% increase** in the previous price above. How much does it cost **now** for **1500ml** of water? Write your answer in the space below.

£ _____

3. A person goes to the shop. It costs **£1.60 for 0.4L** of water.

a) How much does it cost for **1200ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **25% reduction** in the previous price above. How much does it cost **now** for **1200ml** of water? Write your answer in the space below.

£ _____

4. A person goes to the shop. It costs **£2.22 for 0.75L** of water.

a) How much does it cost for **1000ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **25% increase** in the previous price above. How much does it cost **now** for **1000ml** of water? Write your answer in the space below.

£ _____

5. A person goes to the shop. It costs **£1.20 for 500ml** of water.

a) How much does it cost for **0.75L** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **30% reduction** in the previous price above. How much does it cost **now** for **0.75L** of water? Write your answer in the space below.

£ _____

6. A person goes to the shop. It costs **£3.20 for 200ml** of water.

a) How much does it cost for **0.7L** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **50% increase** in the previous price above. How much does it cost **now** for **0.7L** of water? Write your answer in the space below.

£ _____

7. A person goes to the shop. It costs **£1.80 for 0.3L** of water.

a) How much does it cost for **1000ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **10% reduction** in the previous price above. How much does it cost **now** for **1000ml** of water? Write your answer in the space below.

£ _____

8. A person goes to the shop. It costs **£3.30 for 750ml** of water.

a) How much does it cost for **2.5L** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **15% increase** in the previous price above. How much does it cost **now** for **2.5L** of water? Write your answer in the space below.

£ _____

9. A person goes to the shop. It costs **£2 for 0.8L** of water.

a) How much does it cost for **1000ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **14% reduction** in the previous price above. How much does it cost **now** for **1000ml** of water? Write your answer in the space below.

£ _____

10. A person goes to the shop. It costs **£4 for 450ml** of water.

a) How much does it cost for **1.35L** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **17% increase** in the previous price above. How much does it cost **now** for **1.35L** of water? Write your answer in the space below.

£ _____

11. A person goes to the shop. It costs **£5 for 1.5L** of water.

a) How much does it cost for **1800ml** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **23% reduction** in the previous price above. How much does it cost **now** for **1800ml** of water? Write your answer in the space below.

£ _____

12. A person goes to the shop. It costs **£2.50 for 230ml** of water.

a) How much does it cost for **1.15L** of water? Write your answer in the space below.

£ _____

b) Look again at the question above. The person goes back a week later and the price of water has changed. There is a **32% increase** in the previous price above. How much does it cost **now** for **1.15L** of water? Write your answer in the space below.

£ _____

Answers

- | | |
|--------------|-----------|
| 1. a) £2.40 | b) £2.16 |
| 2. a) £8.40 | b) £9.24 |
| 3. a) £4.80 | b) £3.60 |
| 4. a) £2.96 | b) £3.70 |
| 5. a) £1.80 | b) £1.26 |
| 6. a) £11.20 | b) £16.80 |
| 7. a) £6 | b) £5.40 |
| 8. a) £11 | b) £12.65 |
| 9. a) £2.50 | b) £2.15 |
| 10.a) £12 | b) £14.04 |
| 11.a) £6 | b) £4.62 |
| 12.a) £12.50 | b) £16.50 |