Year 8 Decimals – Developing

ANSWER KEY HappyKids.fit

Answers and worked solutions · 10 questions

A. Use decimals

1. **−1.25, 0, 1.55**

≤ includes the end value; < does not
Check each value against both ends: −1.25, 0, 1.55

2. **−1.55, 0, 1.9**

≤ includes the end value; < does not
Check each value against both ends: −1.55, 0, 1.9

3. **estimate 24; exact 24.51**

≈ 4 × 6 = 24
Exact: 24.51
The exact answer is close to the estimate

4. **estimate 30; exact 28.6**

≈ 5 × 6 = 30
Exact: 28.6
The exact answer is close to the estimate

5. **$11.82**

6.22 × 1.9 = 11.818
= $11.82

6. **7 pieces**

8.4 ÷ 1.2 = 84 ÷ 12
= 7

7. **4 tins**

7.8 ÷ 2.5 = 3.12
Round up so there is enough paint: 4 tins

8. **26.55**

Ignore the decimal points: 59 × 45
Count the decimal places in the question: 2
= 26.55

9. **5.4**

Multiply both numbers by 10: 37.8 ÷ 7
= 5.4

10. **−0.4 is further below 0 than −0.38, so −0.4 < −0.38.**

Error: for negative numbers the larger digits are further from 0
On a number line, further left is smaller
−0.4 < −0.38