Rounding and estimating

Name: _____ **Date:** _____

REMEMBER: Look at the digit to the **right** of the place you are rounding to: 0 to 4 → round **down**, 5 to 9 → round **up**. The 5 lies exactly in the middle, and we agreed to round up then. An estimate helps you check whether your answer makes sense.

Round to the nearest 10, 100 or 1 000 and estimate.

1. Round 47 to the nearest 10.

Answer: _____

2. Round 82 to the nearest 10.

Answer: _____

3. Round 365 to the nearest 10.

Answer: _____

4. Is 38 closer to 30 or to 40?



Answer: _____

5. Round 645 to the nearest 100.

Answer: _____

6. Round 2 750 to the nearest 100.

Answer: _____

7. Round 4 381 to the nearest 1 000.

Answer: _____

8. Round 6 500 to the nearest 1 000.

Answer: _____

9. Estimate by rounding to the nearest 10: **48 + 31**

Answer: _____

10. Estimate by rounding to the nearest 100: **412 + 195**

Answer: _____

11. A packet costs R29. Estimate how much 7 packets cost.

Answer: _____

12. Which one of these numbers becomes 50 when you round it to the nearest 10? **44 46 55 58**

Answer: _____

13. What is the **smallest** whole number that rounds to 300 (nearest 100)?

Answer: _____

14. Thandi rounds 1 849 to the nearest 100 and gets 1 900. Is she right? Explain.

Answer: _____

15. Sipho estimates 296 + 405 as 700. Work out the exact answer. How far is his estimate from the answer?

Answer: _____

I got _____ out of 15 ☆☆☆

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Rounding and estimating – Memorandum

Show your child the steps – not just the answer.

1. **50**
   Look at the units: 7 → round up

2. **80**
   Look at the units: 2 → round down

3. **370**
   Look at the units: 5 → round up

4. **40**
   38 is 2 away from 40 and 8 away from 30

5. **600**
   Look at the tens: 4 → round down

6. **2 800**
   Look at the tens: 5 → round up

7. **4 000**
   Look at the hundreds: 3 → round down

8. **7 000**
   Look at the hundreds: 5 → round up

9. **80**
   48 → 50; 31 → 30; 50 + 30 = 80

10. **600**
    412 → 400; 195 → 200; 400 + 200 = 600

11. **about R210**
    R29 → R30; 7 × R30 = R210

12. **46**
    44 → 40; 46 → 50; 55 → 60; 58 → 60

13. **250**
    Halfway between 200 and 300 is 250; at 5 we round up, so 250 → 300 and 249 → 200

14. **No, it is 1 800**
    Look only at the tens digit: 4 < 5, so round down to 1 800

15. **701; the estimate is 1 too small**
    296 + 405 = 701; 701 − 700 = 1

Stars: 8 right = 1 star · 12 right = 2 stars · 15 right = 3 stars ☆☆☆

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