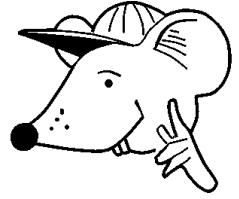


MATHEMATICS



N.S. Yr. 3 P.19

**Rounding a number to the nearest ten
or one hundred.**

Equipment

Number line useful.

MathSphere

© MathSphere P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

Concepts

Children will have been introduced to simple rounding in Year 2, using numbers up to 30. In Year 3 rounding to the nearest 10 will be continued, using numbers up to 100. The rule is the same - rounding up to the next ten if the units are 5 or more.

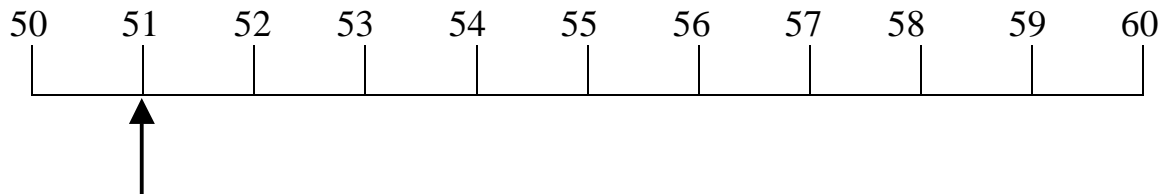
Eg 48 rounded to the nearest ten is 50.

72 rounded to the nearest ten is 70.

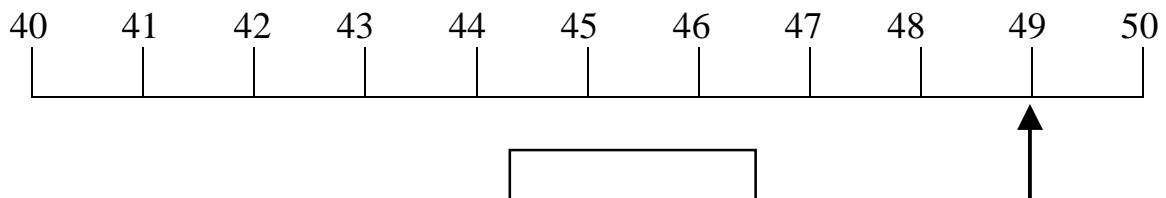
Later rounding to the nearest 100 can be introduced. Children often find this much harder, but it can help to point out that only the tens need to be considered - if the tens digit is 5 or more, round up to the next whole hundred. If the tens digit is 4 or less, round down. The units are not important when rounding to the nearest 100.

Eg 452 rounded to the nearest hundred is 500

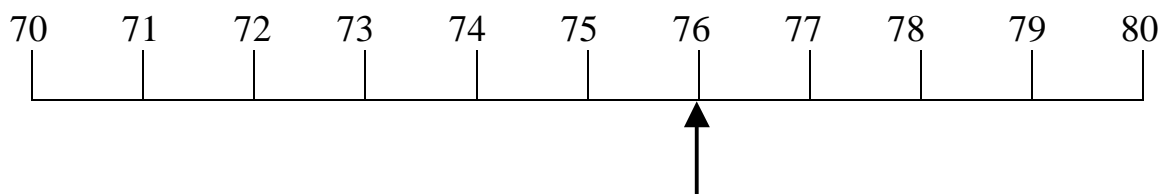
349 rounded to the nearest hundred is 300.

Rounding to the nearest ten

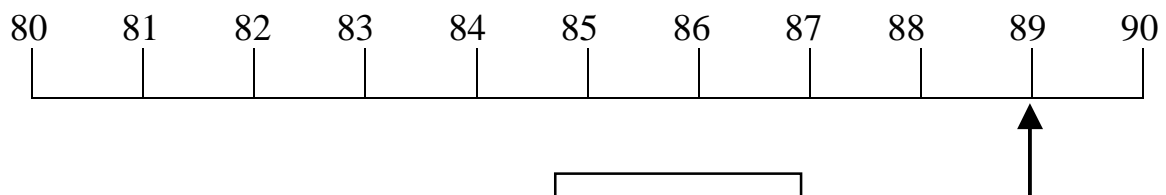
1. Is 51 nearer to 50 or 60 ?



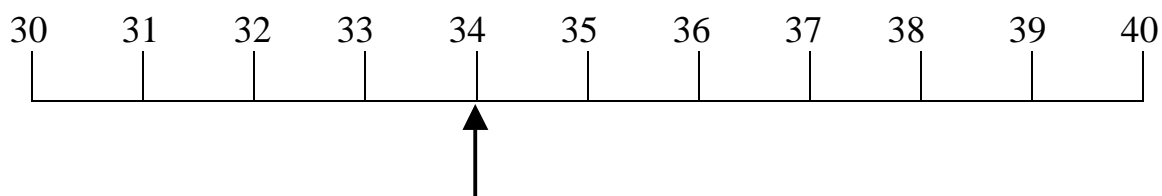
2. Is 49 nearer to 40 or 50 ?



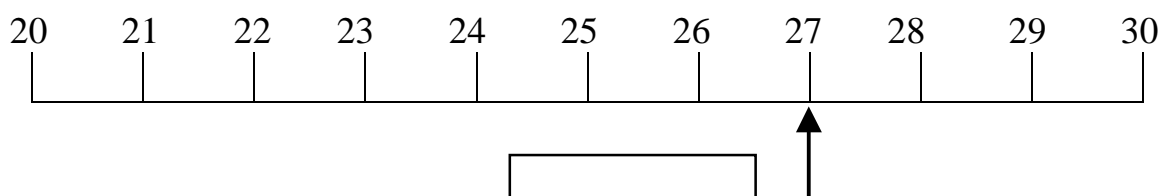
3. Is 76 nearer to 70 or 80 ?



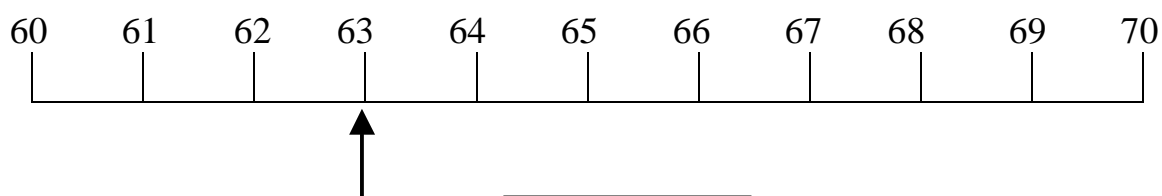
4. Is 89 nearer to 80 or 90 ?

Rounding to the nearest ten

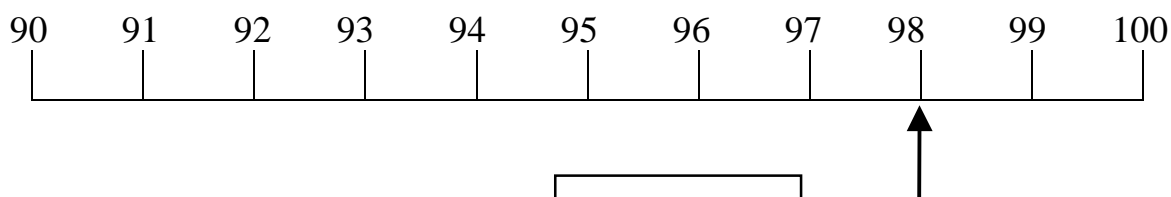
1. Is 34 nearer to 30 or 40 ?



2. Is 27 nearer to 20 or 30 ?



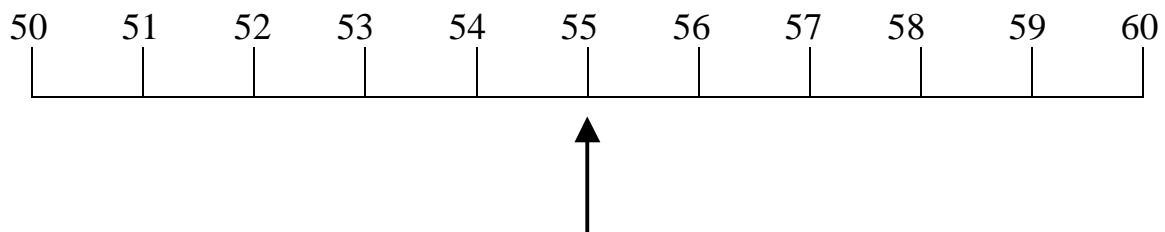
3. Is 63 nearer to 60 or 70 ?



4. Is 98 nearer to 90 or 100 ?



Remember the rule for
rounding when the units
are 5 ?
Yes! Round up to the next
whole ten!



55 is half way between 50 and 60.

55 rounded to the nearest whole ten is 60.

Round these numbers to the nearest whole ten:

1. Round 35 to the nearest whole 10.

2. Round 85 to the nearest whole 10.

3. Round 25 to the nearest whole 10.

4. Round 75 to the nearest whole 10.

5. Round 95 to the nearest whole 10.

Rounding to the nearest whole ten

Try rounding these
numbers to the
nearest whole ten:



1. 46

2. 53

3. 27

4. 38

5. 71

6. 45

7. 88

8. 22

9. 55

10. 49

11. 82

12. 75

Rounding to the nearest whole ten

Try rounding these
numbers to the
nearest whole ten:



1. 37

2. 44

3. 18

4. 29

5. 62

6. 36

7. 79

8. 13

9. 35

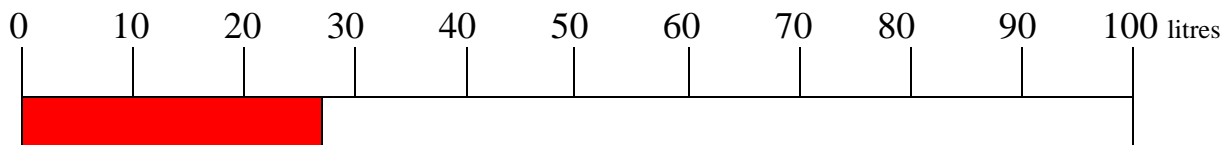
10. 50

11. 73

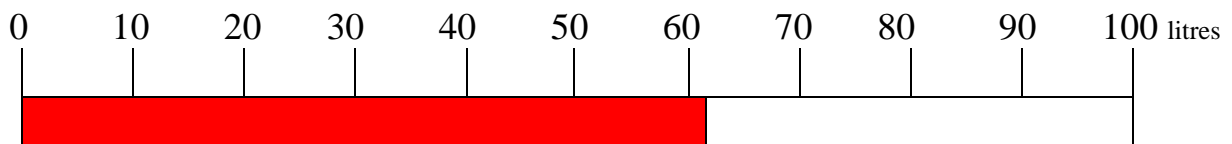
12. 66

Rounding to the nearest whole ten

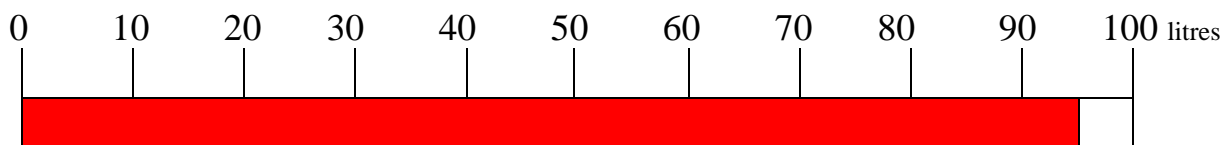
The charts below show how many litres of petrol different rat rockets used. Round each one to the nearest ten litres.



1. Rudy's rat rocket used 27 litres of petrol. This is about:



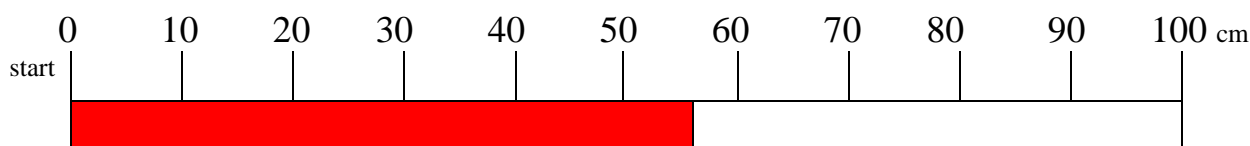
2. Rusty's rat rocket used 62 litres of petrol. This is about:



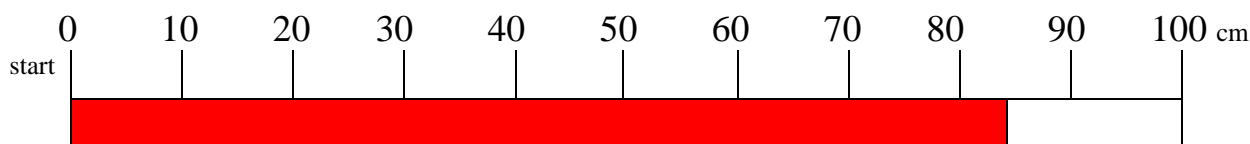
3. Rocky's rat rocket used 95 litres of petrol. This is about:

Rounding to the nearest whole ten

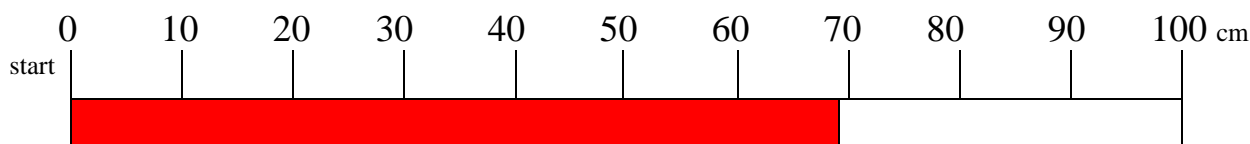
The charts below show the distances jumped by ratties in the world long jump competition. Round each to the nearest whole ten centimetres.



1. Sarah jumped 56 cm. This is about:



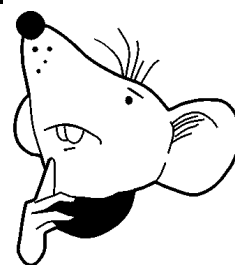
2. Sally jumped 84 cm. This is about:



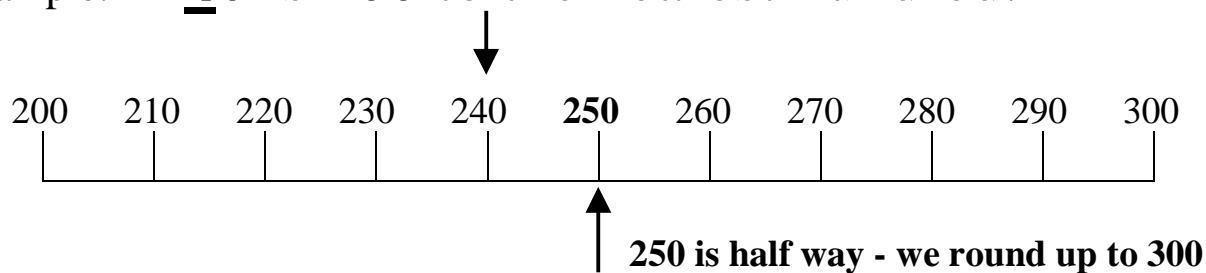
3. Sumit jumped 69 cm. This is about:

Rounding to the nearest whole hundred

When rounding to the nearest hundred, look at the tens digit. If it is 5 or more round the number up. If it is 4 or less, round down.



Example: **240** is 200 to the nearest hundred.

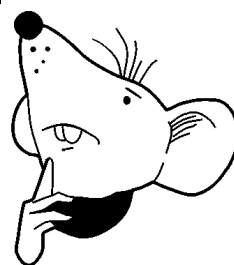


What are these numbers to the nearest whole hundred:

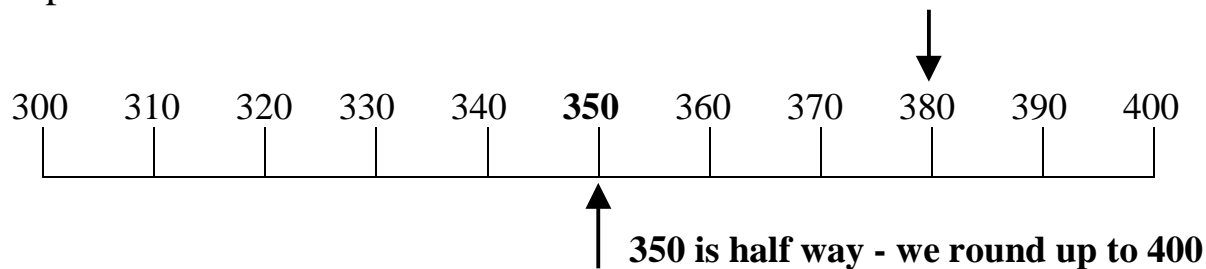
- | | | | | | |
|--------|----------------------|--------|----------------------|--------|----------------------|
| 1. 240 | <input type="text"/> | 2. 270 | <input type="text"/> | 3. 210 | <input type="text"/> |
| 4. 280 | <input type="text"/> | 5. 230 | <input type="text"/> | 6. 290 | <input type="text"/> |
| 7. 260 | <input type="text"/> | 8. 220 | <input type="text"/> | 9. 250 | <input type="text"/> |

Rounding to the nearest whole hundred

When rounding to the nearest hundred, look at the tens digit. If it is 5 or more round the number up. If it is 4 or less, round down.



Example: 380 is 400 to the nearest hundred.



What are these numbers to the nearest whole hundred:

1. 370

2. 340

3. 330

4. 390

5. 320

6. 380

7. 350

8. 360

9. 310

Rounding to the nearest hundred

These children all collected tokens for their school for new books.

Round each total to the nearest whole hundred.



Name	Number of tokens	Rounded number
Alexis	155	
Beth	126	
Dan	241	
Elisa	388	
Kyle	505	
Marc	218	
Tara	673	
Una	807	
Will	444	
Zoe	579	

Answers**Page 3****1. 50 2. 50 3. 80 4. 90****Page 4****1. 30 2. 30 3. 60 4. 100****Page 5****1. 40 2. 90 3. 30 4. 80 5. 100****Page 6****1. 50 2. 50 3. 30 4. 40 5. 70 6. 50
7. 90 8. 20 9. 60 10. 50 11. 80 12. 80****Page 7****1. 40 2. 40 3. 20 4. 30 5. 60 6. 40
7. 80 8. 10 9. 40 10. 50 11. 70 12. 70****Page 8****1. 30 litres 2. 60 litres 3. 100 litres****Page 9****1. 60 cm 2. 80 cm 3. 70 cm****Page 10****1. 200 2. 300 3. 200 4. 300 5. 200 6. 300 7. 300 8. 200 9. 300****Page 11****1. 400 2. 300 3. 300 4. 400 5. 300 6. 400 7. 400 8. 400 9. 300****Page 12****Alexis - 200 Beth- 100 Dan - 200 Elisa - 400 Kyle 500****Marc - 200 Tara - 700 Una - 800 Will - 400 Zoe - 600**