Yr 6 Decimals and Fractions Unit 1 (6163)

Additional teacher instructions for practice sheets

Day 1 Adding and subtracting multiples of 0.01 Sheet 1
Working towards ARE

Day 1 Adding and subtracting multiples of 0.01 Sheet 2
Working at ARE/ Working at Greater Depth

Day 2 Whole class practice Sheet 1
Working towards ARE /Working at ARE/ Working at Greater Depth
The whole class practice sheet can be displayed on an interactive whiteboard or enough copies can be printed for the children to have one between two to look at. You will need to guide the children to start at the appropriate question as suggested below:
Working towards ARE: Children start at question 1 adding mostly two amounts.
Working at ARE: Children start at question 5 and do as many as they can.
Greater Depth: Children start at question 9 and add three amounts.

Day 3 Adding distances Sheet 1
Working towards ARE/Working at ARE

Day 3 Adding distances Sheet 2
Working at Greater Depth

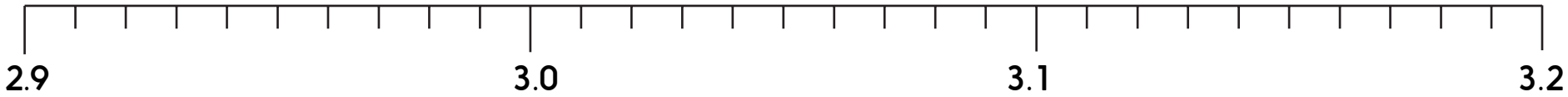
Adding and subtracting multiples of 0.01

Sheet 1

4.25 + 0.07 4.43 - 0.05

6.37 + 0.06 6.51 - 0.04

2.98 + 0.03 3.12 - 0.06



5.86 + 0.05 6.04 - 0.06

Adding and subtracting multiples of 0.01

Sheet 2

1. 4.56 + 0.07

2. 8.34 - 0.08

3. 2.78 + 0.05

4. 3.63 - 0.06

5. 4.97 + 0.05

6. 5.02 - 0.04

7. Kyle jumps 2.46m.
   His next jump is 5cm further.
   How far has he jumped now?

8. Ellie has a piece of wood 1.62m long.
   She saws 8cm off so that it will be the right length for her shelves.
   How long is the piece of wood now?

9. Sally's personal best time for running the 100m is 13.04s.
   She knocks 0.05s off this record.
   What is her new personal best?

Whole class practice

Sheet 1

1. £45.75 + £24.28
2. £63.70 + £24.85
3. £43.78 + £24.65
4. £56.25 + £8.39
5. £38.56 + £25.79
6. £64.78 + £5.56
7. £34.35 + £23.31 + £12.25
8. £44.25 + £12.27 + £35.15
9. £32.45 + £21.79 + £34.50
10. £27.25 + £25.19 + £13.45
11. £26.78 + £34.56 + £4.39
12. £51.23 + £23.36 + £34.29
13. £75.35 + £25.27 + £43.09
14. £67.45 + £45.59 + £7.79
15. £95.38 + £56.31 + £48.31
16. Make up three prices with a total of exactly £100.

Adding distances

Sheet 1

Snail	am	pm
Albert	6.47m	2.28m
Bob	10.35m	9.37m
Celia	12.18m	11.56m
Daphne	11.72m	13.43m
Edna	13.53m	10.64m
Fred	12.38m	11.29m
Gertrude	11.78m	12.54m
Horace	6.49m	3.73m

1. Find the total amount each snail crawled.
2. When rounded to the nearest metre, which was the mostcommon distance crawled by the snails?

Adding distances

Sheet 2

Children are in teams of three.
They each throw a bean bag as far as they can. The distance is measured. They add the three distances.
The team with the greatest total distance wins.
Find each team's total distance to find out who won.

Team	Distance 1	Distance 2	Distance 3	Total distance
Awesome trio	9.72m	10.34m	11.06m	
Mighty three	12.31m	10.97m	11.86m	
Brilliant bean baggers	11.67m	8.85m	10.42m	
Terrific throwers	13.05m	9.48m	9.83m	
Lofty lobbers	10.28m	11.88m	12.19m	

Decimals and Fractions

Answers

Day 1 Adding and subtracting multiples of 0.01 Sheet 1

4.25 + 0.07 = 4.32	4.43 - 0.05 = 4.38
6.37 + 0.06 = 6.43	6.51 - 0.04 = 6.47
2.98 + 0.03 = 3.01	3.12 - 0.06 = 3.06
5.86 + 0.05 = 5.91	6.04 - 0.06 = 5.98

Day 1 Adding and subtracting multiples of 0.01 Sheet 2

1. 4.56 + 0.07 = 4.63
2. 8.34 - 0.08 = 8.26
3. 2.78 + 0.05 = 2.83
4. 3.63 - 0.06 = 3.57
5. 4.97 + 0.05 = 5.02
6. 5.02 - 0.04 = 4.98
7. Kyle jumps 2.51m.
8. Ellie's piece of wood is now 1.54m long.
9. Sally's new personal best time for running the 100m is 12.99s.

Day 2 Whole class practice Sheet 1

1. £45.75 + £24.28 = £70.03
2. £63.70 + £24.85 = £88.55
3. £43.78 + £24.65 = £68.43
4. £56.25 + £8.39 = £64.64
5. £38.56 + £25.79 = £64.35
6. £64.78 + £5.56 = £70.34
7. £34.35 + £23.31 + £12.25 = £69.91
8. £44.25 + £12.27 + £35.15 = £91.67
9. £32.45 + £21.79 + £34.50 = £88.74
10. £27.25 + £25.19 + £13.45 = £65.89
11. £26.78 + £34.56 + £4.39 = £65.73
12. £51.23 + £23.36 + £34.29 = £108.88
13. £75.35 + £25.27 + £43.09 = £143.71
14. £67.45 + £45.59 + £7.79 = £120.83
15. £95.38 + £56.31 + £48.31 = £200
16. Any combination of three prices which total £100.

Decimals and Fractions

Answers

Day 3 Adding distances Sheet 1

Albert 6.47m + 2.28m = 8.75m
Bob 10.35m + 9.37m = 19.72m
Celia 12.18m + 11.56m = 23.74m
Daphne 11.72m + 13.43m = 25.15m
Edna 13.53m + 10.64m = 24.17m
Fred 12.38m + 11.29m = 23.67m
Gertrude 11.78m + 12.54m = 24.32m
Horace 6.49m + 3.73m = 10.22m

When rounded to the nearest metre, 24m was the most common distance crawled by the snails.

Day 3 Adding distances Sheet 2

Awesome trio 9.72m + 10.34m + 11.06m = 31.12m
Mighty three 12.31m + 10.97m + 11.86m = 35.14m
Brilliant bean baggers 11.67m + 8.85m + 10.42m = 30.94m
Terrific throwers 13.05m + 9.48m + 9.83m = 32.36m
Lofty lobbers 10.28m + 11.88m + 12.19m = 34.35m