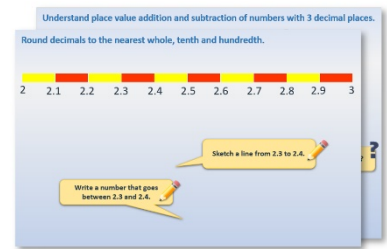


Year 2: Week 4, Day 3

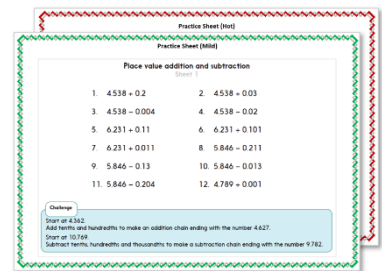
Round prices to nearest 10p

Each day covers one maths topic. It should take you about 1 hour or just a little more.

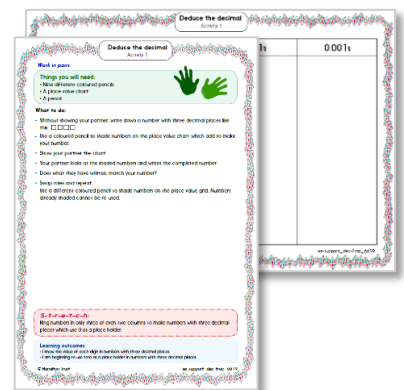
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



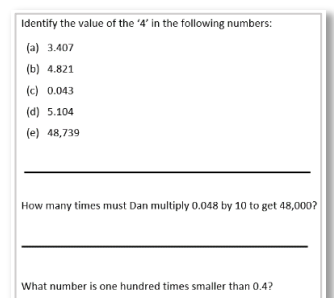
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Round prices to nearest multiple of 10p.

Let's round each price to the nearest 10p.



32p
30p

63p
60p

74p
70p

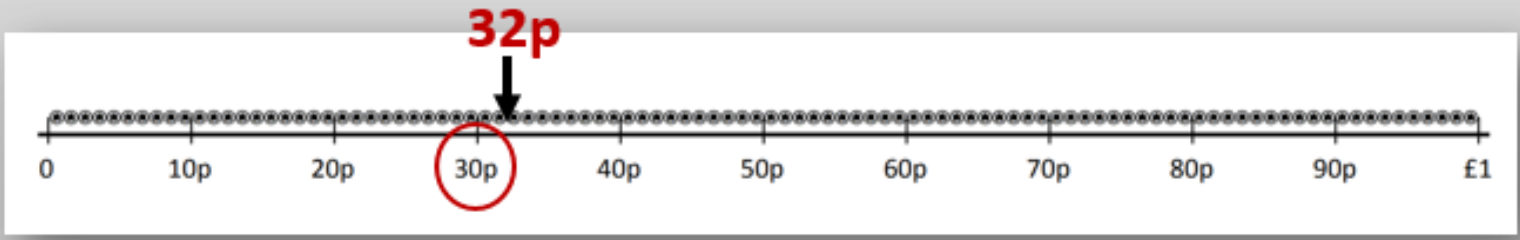
49p
50p

55p
60p

86p
90p

17p
20p

99p
£1



Learning Reminders

Round prices to nearest multiple of 10p.

If we want to add these prices quickly, to know roughly how much they will be in total, it is much easier to round them first.



Add, 20p, 60p and 50p to estimate the total...



$$60p + 50p + 20p = 130p \\ = \text{£}1.30$$

Practice Sheet Mild

Rounding practice

What multiple of 10p would you round each price to?

Book shop

33p

14p

56p

32p

29p

45p

Supermarket

53p

44p

58p

72p

99p

65p

81p

55p

97p

Challenge

Three items cost 24p, 13p and 34p. Round them each to the nearest 10p then add the rounded numbers.

What is the difference between the total of the rounded prices and the total of the actual prices?

Practice Sheet Hot

Rounding practice

Write two prices between each pair of multiples of 10p, one which will round down and one which will round up.

1. 20p and 30p
2. 80p and 90p
3. 40p and 50p
4. 10p and 20p
5. 60p and 70p

Round and add these prices to estimate a total:

6. $18p + 42p + 23p$
7. $51p + 32p + 29p$
8. $77p + 11p + 36p$
9. $25p + 35p + 45p$
10. $29p + 66p + 14p$

Which of these do you think was the least accurate estimate? Why?

Challenge

1. I am a price which rounds up to 50p. My digits add up to 10. What am I?
2. I am a price which rounds down to 30p. My digits add up to 6. What am I?
3. Write your own 'What am I?' puzzles for an adult to solve.

Practice Sheet Answers

Rounding practice (Mild)

Book shop

33p rounds to 30p
14p rounds to 10p
56p rounds to 60p
32p rounds to 30p
29p rounds to 30p
45p rounds to 50p

Supermarket

53p rounds to 50p
44p rounds to 40p
58p rounds to 60p
72p rounds to 70p
99p rounds to £1
65p rounds to 70p
81p rounds to 80p
55p rounds to 60p
97p rounds to £1

Challenge

Three items cost 24p, 13p and 34p. Round them each to the nearest 10p then add the rounded numbers.

$$20p + 10p + 30p = 60p$$

What is the difference between the total of the rounded prices and the total of the actual prices? $24p + 13p + 34p = 71p$ The difference is $71p - 60p = 11p$

Rounding practice (Hot)

- One from 21p, 22p, 23p and 24p to round down.
One from 25p, 26p, 27p, 28p, 29p to round up.
 - One from 81p, 82p, 83p and 84p to round down.
One from 85p, 86p, 87p, 88p, 89p to round up.
 - One from 41p, 42p, 43p and 44p to round down.
One from 45p, 46p, 47p, 48p, 49p to round up.
 - One from 11p, 12p, 13p and 14p to round down.
One from 15p, 16p, 17p, 18p, 19p to round up.
 - One from 61p, 62p, 63p and 64p to round down.
One from 65p, 66p, 67p, 68p, 69p to round up.
- | | |
|-----------------------|---|
| 6. $18p + 42p + 23p$ | $20p + 40p + 20p = 80p$ |
| 7. $51p + 32p + 29p$ | $50p + 30p + 30p = 110p = \text{£}1.10$ |
| 8. $77p + 11p + 36p$ | $70p + 10p + 40p = 120p = \text{£}1.20$ |
| 9. $25p + 35p + 45p$ | $30p + 40p + 50p = 120p = \text{£}1.20$ |
| 10. $29p + 66p + 14p$ | $30p + 70p + 10p = 110p = \text{£}1.10$ |

Challenge

I am a price which rounds up to 50p. My digits add up to 10. What am I? **46p**

I am a price which rounds down to 30p. My digits add up to 6. What am I? **33p**

A Bit Stuck? Money Tags

49p

65p

37p

23p

88p

41p

52p

35p

74p

What to do:

- Choose a price to mark on the penny line.



- Ask an adult to check it. If correct you score 5 points.
If you mark a price between 30p and 50p, you score 10 bonus points!
- Repeat for at least seven more prices.

S-t-r-e-t-c-h:

Which of your prices are closer to 50p than any other multiple of 10p?

Learning outcomes:

- I can round 2-digit money amounts to the nearest 10p.
- 49p 23p 65p 52p 88p 37p 41p 74p 35p

Check your understanding: *Questions*

1. Write three prices between 40p and 50p which round **up** to 50p.
2. Write three prices between 40p and 50p which round **down** to 40p.
3. Round each of these prices to the nearest multiple of 10p. 36p 23p 42p
Add your answers to estimate the total.
4. Write two prices that when rounded to the nearest 10p have a total of 50p.

Fold here to hide answers:

Check your understanding: *Answers*

1. Write three prices between 40p and 50p which round **up** to 50p. *Any three prices from 45p, 46p, 47p, 48p and 49p.*
2. Write three prices between 40p and 50p which round **down** to 40p. *Any three prices from 41p, 42p, 43 and 44p.*
3. Round each price to the nearest multiple of 10p. Add your answer to estimate the total. 36p 23p
12p $40p + 20p + 10p = 70p$
4. Write two prices that when rounded to the nearest 10p would have a total of 50p.
Any two prices whose rounded multiples of 10p add to 50p, e.g. 23p and 26p.