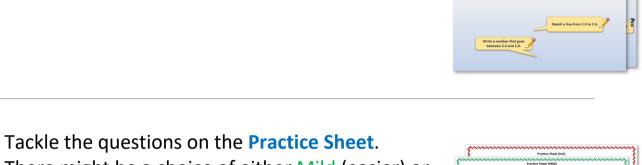
Week 5, Day 1 Short multiplication

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



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

Start by reading through the Learning Reminders.

They come from our *PowerPoint* slides.

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

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

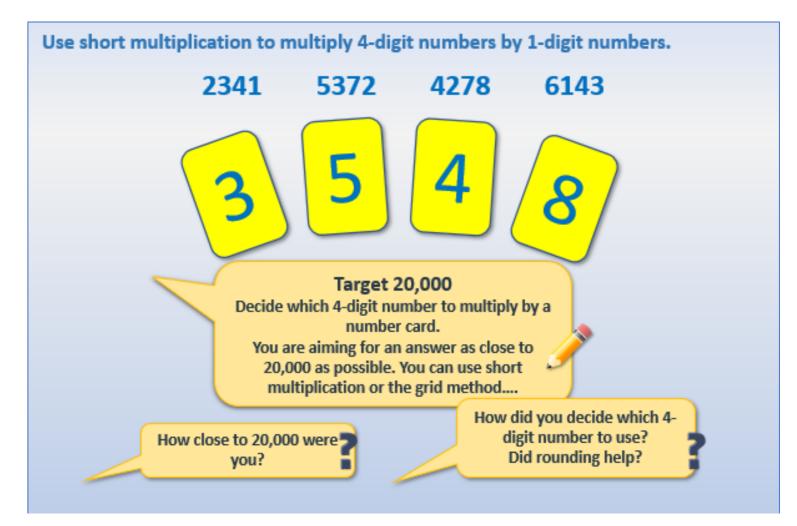


Fractice protect (minu)				
	Place value addition and subtraction Sheet 1			
\$ 1.4	538 + 0.2	2. 4538 + 0.03		
\$ 3. 4.	538 - 0.004	4. 4.538 - 0.02		
\$ 5. 6.	231 + 0.11	6. 6.231 + 0.101		
7. 6.	231 + 0.011	8. 5.846 - 0.211		
\$ 9.5.	846 - 0.13	10. 5.846 - 0.013		
11. 5.	846 - 0.204	12. 4.789 + 0.001		
§ Outhour				
Start at 4362 Add tenths and hundredtt Shart at 10,769				
ş				
	3. 4. 3. 4. 5. 6. 7. 6. 9. 5. 11. 5. 11. 5. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	1. 4538 + 02 3. 4538 - 004 5. 6231 + 011 7. 6231 + 0011 9. 5846 - 024 11. 5866 - 024 Mark 2526 Mark 252		

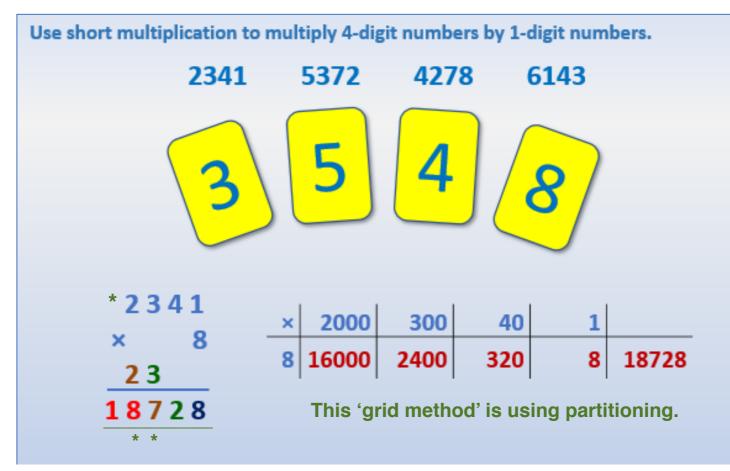
2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9

1.

Learning Reminders

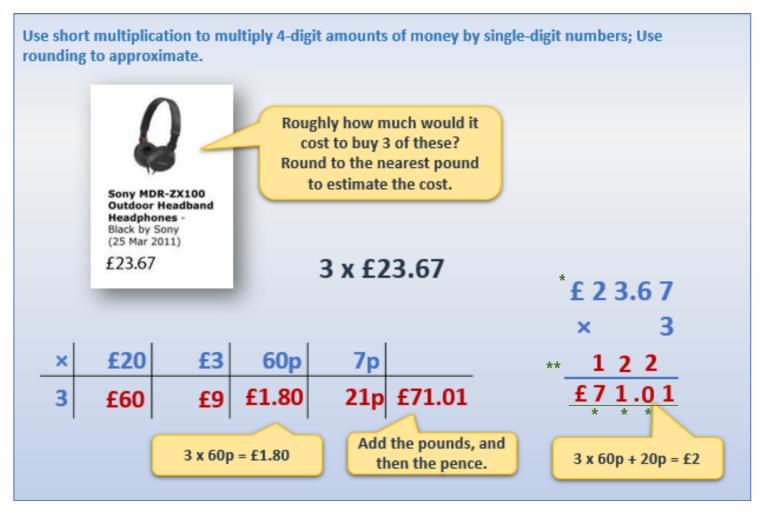


Learning Reminders



* We've tended to use this formal written method, **but carrying digits below the line.

Learning Reminders



*In class we have tended to use the column method.

** We have also carried below the line (doorstep).

Practice Sheet Mild Money multiplication practice

Use a written method to calculate the answers, but watch out for a few where you could use a mental method instead.

1. 3 × £5.28	2. 5 × £2.99	3. 4 × £5.79
4. 4 × £4.16	5. 3 × £2.63	6. 8 × £4.43
7. 7 × £5.87	8. 3 × £25.01	9. 6 × £46.14
10. 4 × £25.42	11. 8 × £63.54	12. 5 × £32.45
13. 4 × £11.11	14. 8 × £52.69	15. 7 × £86.74

On the more challenging ones, estimate first (round and adjust).



Practice Sheet Hot Multiplying amounts of money

Choose a number from 3 to 9.

Choose one of these prices to multiply by your chosen single-digit number.

£45.19 £26.47 £53.28 £42.75

You are aiming for an answer as close to £200 as possible!

Repeat, with a different single-digit number each time.

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Which answer was closest to £200?

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

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Practice Sheet Answers

Money multiplication practice (mild)

1.	3 × £5.28 = £15.84
2.	5 × £2.99 = £14.95
3.	4 × £5.79 = £23.16
4.	4 × £4.16 = £16.64
5.	3 × £2.63 = £7.89
6.	8 × £4.43 = £35.44
7.	7 × £5.87 = £41.09
8.	3 × £25.01 = £75.03
9.	6 × £46.14 = £276.84
10.	$4 \times \pounds 25.42 = \pounds 101.68$
11.	8 × £63.54 = £508.32
12.	5 × £32.45 = £162.25
13.	4 × £11.11 = £44.44
14.	8 × £52.69 = £421.52
15.	7 × £86.74 = £607.18

Challenge

 $4 \ge 34.34 = \$137.36$ and $3 \ge \$43.43 = \130.29 so the first is larger.

Multiplying amounts of money (hot)

e.g. 8 x £26.47 = £211.76 Can you get an answer closer to £200?

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A Bit Stuck? Aim for 2000

Work in pairs, but record your work on your own sheet

Things you will need:

- 100s, 10s and 1s place value cards
- A pencil

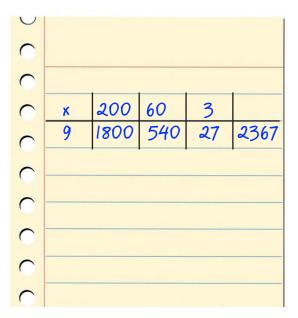
What to do:

• Spread out the 100, 200, 300, 400, 500 and 600 cards.

Spread out the 10, 20, 30, 40, 50 and 60 cards. Spread out the 1, 2, 3, 4, 5 and 6 cards.

- Choose one card from each group to make a 3-digit number.
- Use the grid method to multiply this by any number you choose from 2 to 9. You are aiming to get an answer near 2000.
- Repeat.
- How close to 2000 can you get?





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

Use the grid method to work out 5 x 2346 and 4 x 4271.

Learning outcomes:

- I can use the grid method to multiply 3-digit numbers by 1-digit numbers.
- I am beginning to estimate the answers.
- I am beginning to multiply 4-digit numbers by 1-digit numbers.

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