Week 7, Day 3 **Solving equations**

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

- Sketch a line from 2.3 to 2.4. Write a number that goes between 2.3 and 2.4. Tackle the questions on the Practice Sheet.
- 2. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

Start by reading through the Learning Reminders.

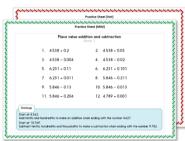
They come from our *PowerPoint* slides.

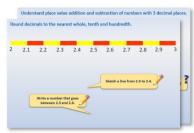
3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

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

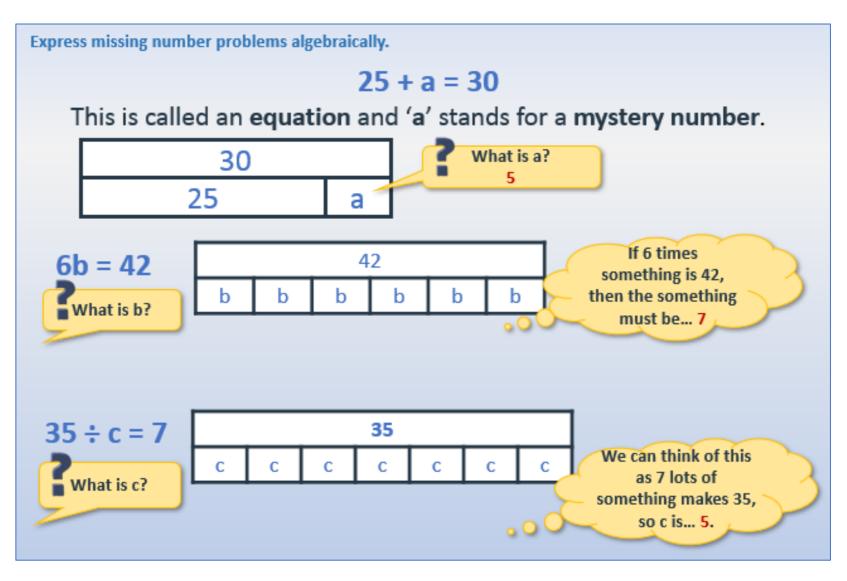
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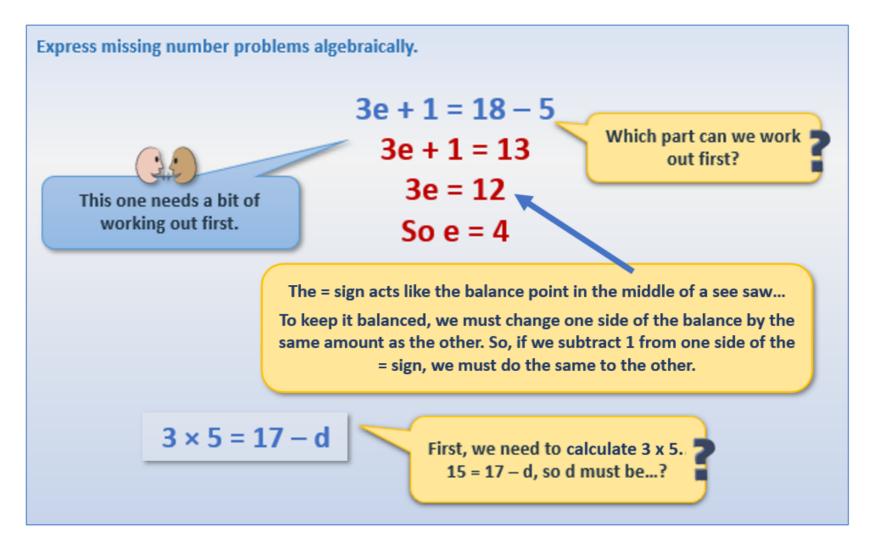




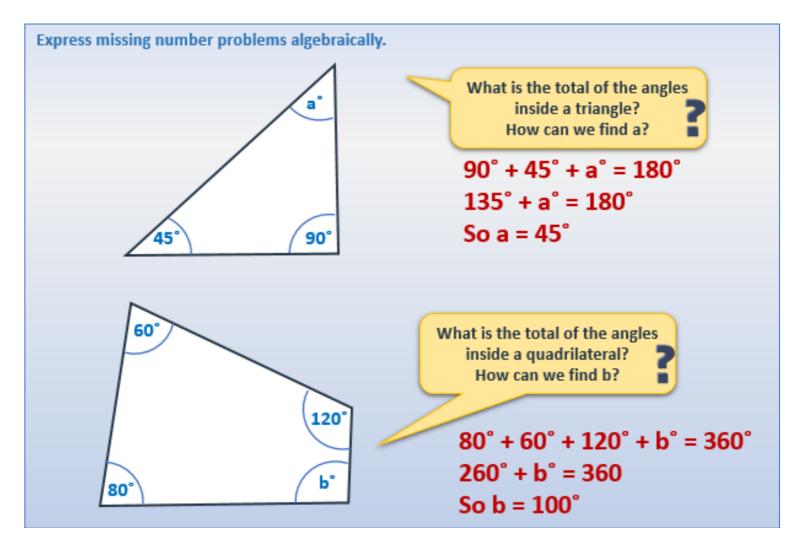
Learning Reminders

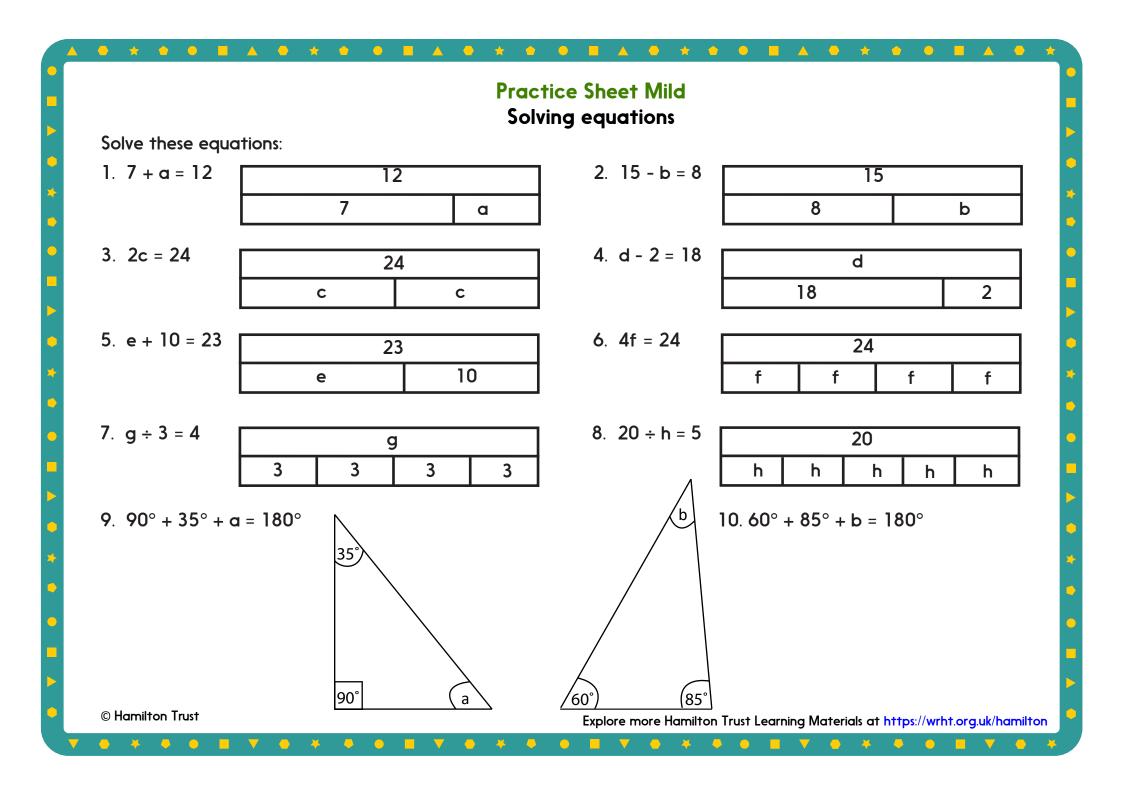


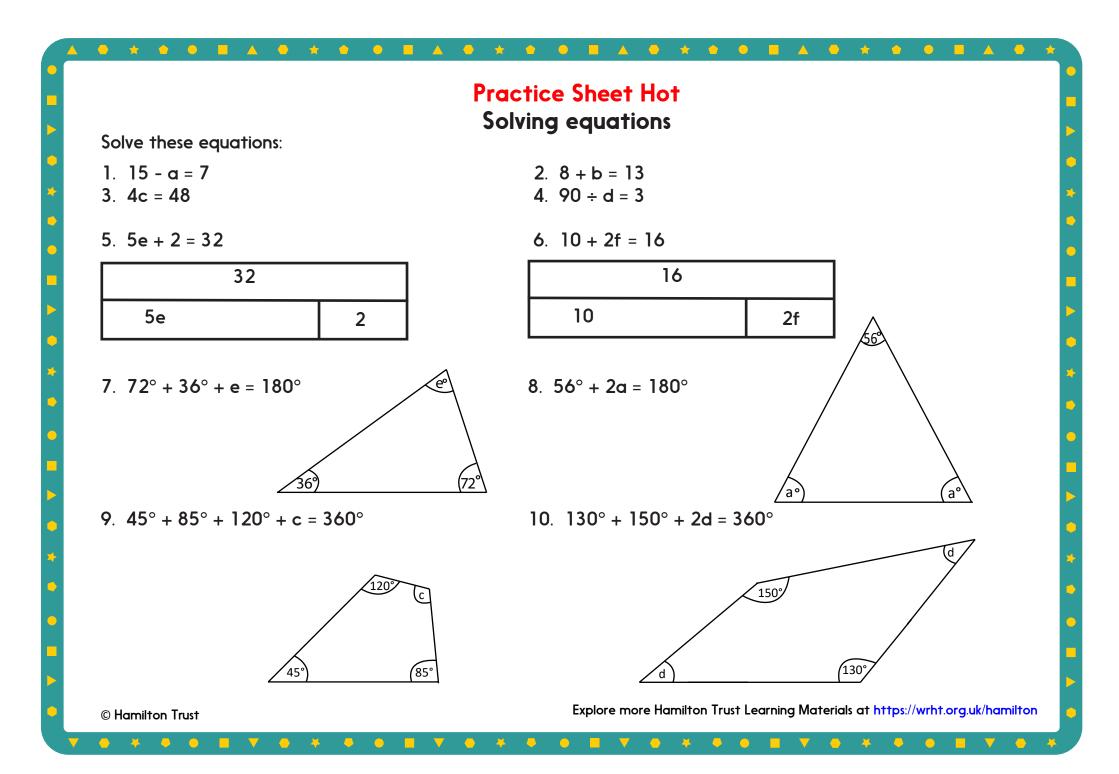
Learning Reminders



Learning Reminders







Practice Sheets Answers

Solving equations (mild)

1. a = 5 b = 7 2. 3. c = 12 4. d = 20 5. e =13 6. f = 6 g = 12 7. 8. h = 4 a = 55° 9. 10. b = 35°

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Solving equations (hot)

a = 8 1. b = 5 2. c = 12 3. 4. d = 30 5. e = 6 6. f = 3 7. e = 72° 8. a = 62° 9. c = 110°

10. d = 40°

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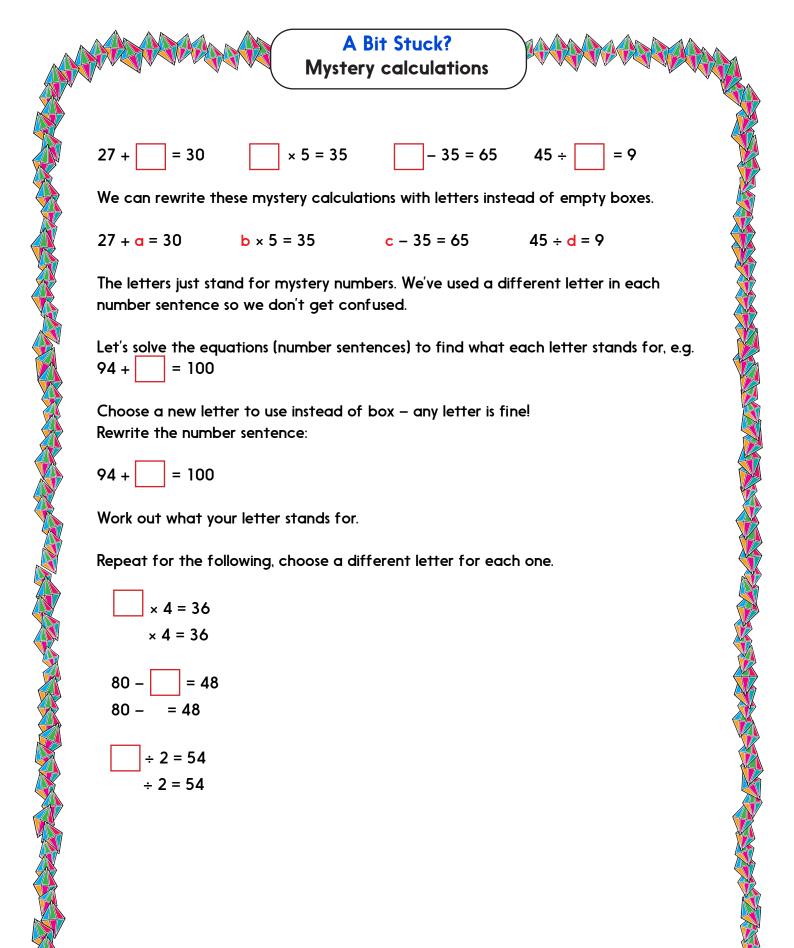
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%	a + 15 = 20 a =	CW3
U)	ab = 40 b =	1/2
•]•	$c \div b = 2$ $c =$	•1•
· ~~~/~	d – c = 24 d =	m
стз	de = 120 e =	*
x x	ae = 15 check!	v
11		m,
• •		*
*	 Work out what a represents in the first equation. 	%
с•	 a represents the same number in the second equation. 	~
сm	So, use 5 instead of a to work out what b represents, i.e. 5 x b = 40.	5%
T		Т
5%	 Now work out b, use this in the third equation, work out c, use this in the next equation and so on. 	cm
V		د.
%	 The last equation is a check! If your answers for a and e don't multiply to make 15, you have made a mistake somewhere. 	*
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۷	+ ? = $x c_{m^3} \frac{1}{2} \div \frac{1}{3} > m^2 + \% < \frac{5}{6} - c_m ? + \frac{1}{3}$	3