

Thursday Answers

Varied fluency

Reasoning and problem solving

Developing

1a.

	10%	20%	30%
80	8	16	24
120	12	24	36
150	15	30	45

2a. $a = 84$, $b = 42$, $c = 36$, $d = 114$

3a. A = false, the answer is >

B = true

C = false, the answer is >

4a. highest = A, lowest = B

Expected

5a.

	5%	10%	15%
160	8	16	24
8m	40cm	80cm	120cm
240	12	24	36

6a. $a = 153$, $b = 54$, $c = 270\text{cm}$, $d = 126$

7a. A = false, the answer is >

B = true

C = false, the answer is <

8a. highest = E, lowest = C

Greater Depth

9a.

	22%	34%	44%
150	33	51	66
8m	176cm	272cm	352cm
250	55	85	110

10a. $a = 84$, $b = 33.6\text{cm}$, $c = 144\text{cm}$

$d = 67.2$

11a. A = false, the answer is >

B = false, the answer is <

C = true

12a. highest = E, lowest = C

Developing

1a. Melody is correct. Examples should be provided as proof.

2a. C, as A and B = 24; C is an odd number.

3a.

Start	40% of 100 = 40	30% of 60 = 18	50% of 50 = 25
40% of 80 = 50	60% of 40 = 30	10% of 100 = 1	60% of 40 = 24
90% of 80 = 75	10% of 70 = 7	90% of 20 = 18	70% of 80 = 56
20% of 40 = 2	80% of 20 = 16	20% of 50 = 15	30% of 90 = 60
70% of 80 = 40	80% of 100 = 80	50% of 60 = 30	Finish

Expected

4a. Libby is incorrect. To find 20%, first find 10% and then double it. Examples should be provided as proof.

5a. A, as B and C = 36; C is a single digit odd number.

6a.

Start	15% of 2m = 30cm	20% of 240 = 48	30% of 180 = 45
10% of 1m = 50cm	85% of 120 = 100	60% of 50 = 30	25% of 140 = 50
30% of 80 = 32	10% of 130 = 13	95% of 140 = 133	10% of 200 = 2
20% of 110 = 11	45% of 280 = 126	30% of 90 = 36	65% of 160 = 120
40% of 80 = 40	35% of 260 = 91	20% of 190 = 38	Finish

Greater Depth

7a. Various answers, for example:

Selina has got confused by the decimal. The correct answer is 55cm or 0.55m.

8a. Various answers, for example:

B as it has two digits the same, C as it is using money.

9a. Various possible answers. Children should fill the blank spaces with correct percentage number sentences.