Comparing decimals 1

Is there a point to decimal numbers?
Yes, it's called the decimal point!

1 Circle the larger number in each pair.

3.6 6.3	4.8 8.4	3.5 3.8	9.0 8.9
5.3 4.9	8.0 6.9	12.3 13.3	23.3 33.2
21.2 22.1	35.8 58.3	18.6 16.8	31.5 35.1
2.9 9.2	1.5 2.5	19.8 18.9	34.1 33.9
80.1 80.9	26.3 23.6	14.7 17.4	55.4 54.5

2 Circle the smallest number in each group.

23.2 22.3 23.3	48.7 47.8 48.8	54.6 56.4 54.5

3 Circle the largest number in each group.

28.3 23.8 28.2	95.5 59.5 55.9	63.4 64.3 63.2

4 Circle the smaller amount in each pair.

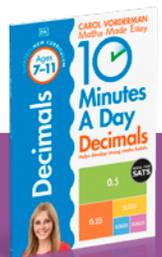|		
24.6 mm 26.4 mm	£2.58 £2.85	17.9 m 19.7 m
5.48 mm 5.84 mm	17.25 cm 12.75 cm	24.82 g 28.42 g
0.67 g 0.76 g	1.89 cm 1.98 cm	3.83 g 3.38 g
29.4 cm 49.2 cm	34.3 mm 33.4 mm	97.8 g 98.7 g
2.41 g 4.21 g	0.58 cm 1.29 cm	9.09 g 9.13 g

5 Circle the larger amount in each pair.

8.09 g 8.9 g	8.8 m 0.65 m	0.56 cm 1.01 cm

6 Circle the smallest amount in each group.

18.06 m 18.04 m 18.1 m	36.67 kg 37.67 kg 36.66 kg

Comparing decimals 2

When comparing decimal numbers, read them very carefully. For example: 2.333 is just one-thousandth smaller than 2.334.

1 Circle the larger number in each pair.

| 3.6   1.9 | 5.86   5.68 | 7.674 7.688 | 1.03   1.003 |

2 Circle the smaller number in each pair.

| 2.05   2.48 | 3.867 3.847 | 5.231 4.999 | 5.051 5.105 |

3 Rewrite each row in order, starting with the smallest number.

| 3.756 | 3.75 | 3.675 | 3.57 |

| 4.086 | 4.085 | 4.058 | 4.068 |

| 12.3 | 11.9 | 13.867 | 11.444 |

| 8.23 | 3.82 | 2.83 | 3.28 |

4 Circle the larger amount in each pair.

| 6.72 cm   6.27 cm | 4.88 g   4.91 g | 6.03 m   3.6 m |

5 Circle the smaller amount in each pair.

| 8.326 kg   8.623 kg | 4.845 km 3.999 km | 5.123 m   5.104 m |

6 Rewrite each row in order, starting with the largest amount.

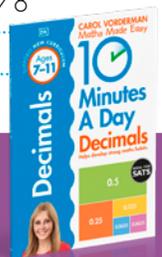| 4.867 km | 4.881 km | 6.496 km | 4.904 km |

| 18.826 kg | 12.978 kg | 31.423 kg | 31.4 kg |

| £7.49 | £7.40 | £8.00 | £7.94 |

| £15.67 | £18.23 | £15.76 | £17.78 |

Answers:

Comparing decimals 1

① Circle the larger number in each pair.

3.6　**(6.3)**　　4.8　**(8.4)**　　3.5　**(3.8)**　　**(9.0)**　8.9

(5.3)　4.9　　**(8.0)**　6.9　　12.3　**(13.3)**　　23.3　**(33.2)**

21.2　**(22.1)**　　35.8　**(58.3)**　　**(18.6)**　16.8　　31.5　**(35.1)**

2.9　**(9.2)**　　1.5　**(2.5)**　　**(19.8)**　18.9　　**(34.1)**　33.9

80.1　**(80.9)**　　**(26.3)**　23.6　　14.7　**(17.4)**　　**(55.4)**　54.5

② Circle the smallest number in each group.

23.2　**(22.3)**　23.3　　48.7　**(47.8)**　48.8　　54.6　56.4　**(54.5)**

③ Circle the largest number in each group.

(28.3)　23.8　28.2　　**(95.5)**　59.5　55.9　　63.4　**(64.3)**　63.2

④ Circle the smaller amount in each pair.

(24.6 mm)　26.4 mm　　**(£2.58)**　£2.85　　**(17.9 m)**　19.7 m

(5.48 mm)　5.84 mm　　17.25 cm　**(12.75 cm)**　　**(24.82 g)**　28.42 g

(0.67 g)　0.76 g　　**(1.89 cm)**　1.98 cm　　3.83 g　**(3.38 g)**

(29.4 cm)　49.2 cm　　34.3 mm　**(33.4 mm)**　　**(97.8 g)**　98.7 g

(2.41 g)　4.21 g　　**(0.58 cm)**　1.29 cm　　**(9.09 g)**　9.13 g

⑤ Circle the larger amount in each pair.

8.09 g　**(8.9 g)**　　**(8.8 m)**　0.65 m　　0.56 cm　**(1.01 cm)**

⑥ Circle the smallest amount in each group.

18.06 m　**(18.04 m)**　18.1 m　　36.67 kg　37.67 kg　**(36.66 kg)**

Your child must pay special attention to what is being asked for – larger or smaller. This tests knowledge of place value. Your child should start to "sort" the numbers by looking at the tens column first, followed by the units, tenths and hundredths and then comparing their sizes.

Comparing decimals 2

① Circle the larger number in each pair.

(3.6)　1.9　　**(5.86)**　5.68　　7.674　**(7.688)**　　**(1.03)**　1.003

② Circle the smaller number in each pair.

(2.05)　2.48　　3.867　**(3.847)**　　5.231　**(4.999)**　　**(5.051)**　5.105

③ Rewrite each row in order, starting with the smallest number.

3.756	3.75	3.675	3.57
3.57	3.675	3.75	3.756

4.086	4.085	4.058	4.068
4.058	4.068	4.085	4.086

12.3	11.9	13.867	11.444
11.444	11.9	12.3	13.867

8.23	3.82	2.83	3.28
2.83	3.28	3.82	8.23

④ Circle the larger amount in each pair.

(6.72 cm)　6.27 cm　　4.88 g　**(4.91 g)**　　**(6.03 m)**　3.6 m

⑤ Circle the smaller amount in each pair.

(8.326 kg)　8.623 kg　　4.845 km　**(3.999 km)**　　5.123 m　**(5.104 m)**

⑥ Rewrite each row in order, starting with the largest amount.

4.867 km	4.881 km	6.496 km	4.904 km
6.496 km	4.904 km	4.881 km	4.867 km

18.826 kg	12.978 kg	31.423 kg	31.4 kg
31.423 kg	31.4 kg	18.826 kg	12.978 kg

£7.49	£7.40	£8.00	£7.94
£8.00	£7.94	£7.49	£7.40

£15.67	£18.23	£15.76	£17.78
£18.23	£17.78	£15.76	£15.67

This work will test your child's understanding of place value and he or she will need to take great care when ordering the amounts. Your child needs to look carefully at the number in each position, starting with the largest and then working towards the smallest.