

Sheet A

Focus: I can count in decimal steps to create a sequence

Write out the sequence in your book, the next three numbers and what the pattern is.

- 1) 0.2, 0.5, 0.8, 1.1
- 2) 1.3, 2.3, 3.3, 4.3
- 3) 1.25, 1.50, 1.75
- 4) 23.6, 23.8, 24.0
- 5) 3.45, 3.50, 3.55
- 6) -0.45, -0.55, -0.65
- 7) -12.3, -13.3, -14.3
- 8) 2.67, 2.70, 2.73
- 9) 14.5, 14.3, 14.1
- 10) 8.25, 8.20, 8.15

What are the missing numbers?

- 11) 1.45, 1.49,, 1.57, 1.61
- 12) 14.5,, 14.1, 13.9, 13.7
- 13) -1.2, -1.4,, -1.8, -2.0
- 14), -2.25, -2.0, -1.75
- 15) 0.46, 0.50,, 0.58

Challenge:

- 16) 1.5, 2.6,, 4.8, 5.9
- 17), 9.76, 9.96, 10.16

Extensions: Can you create some sequences for your partner to solve?

Sheet B

Focus: I can count in decimal steps to create a sequence

Write out the sequence in your book, the next three numbers and what the pattern is.

- 1) 1.5, 2.6, 3.7, 4.8, 5.9
- 2) 9.56, 9.76, 9.96
- 3) -4.43, -5.43, -6.43, -7.43
- 4) 11.29, 11.20, 11.11
- 5) 2.5, 3.7, 4.9, 6.1
- 6) 34.89, 33.66, 32.43, 31.2
- 7) 21.8, 21.05, 20.3, 19.55
- 8) -4.5, -3.6, -2.7
- 9) -12.45, -12.65, -12.85
- 10) 23.67, 26.12, 28.57

What are the missing numbers?

- 11) 0.35,, 0.85, 1.1
- 12) 2.45, 3.65,, 6.05, 7.25
- 13) -1.2, -3.5, -5.8,, -10.4
- 14) -0.43,, -0.57, -0.64, -0.71
- 15), 0.68, 0.57, 0.46, 0.35

Challenge:

- 16) 0.34,, 1.36, 2.72
- 17) 1.3, 3.9, 11.7,

Extensions: Can you create some sequences for your partner to solve?

Sheet A: Lower Ability: Answers

Focus: I can count in decimal steps to create a sequence

Write out the sequence in your book, the next three numbers and what the pattern is.

- 1) 0.2, 0.5, 0.8, 1.1, **1.4, 1.7, 2.0** +0.3
- 2) 1.3, 2.3, 3.3, 4.3, **5.3, 6.3, 7.3** +1.0
- 3) 1.25, 1.50, 1.75, **2.0, 2.25, 2.50** + 0.25
- 4) 23.6, 23.8, 24.0, **24.2, 24.4, 24.6** +0.2
- 5) 3.45, 3.50, 3.55, **3.60, 3.65, 3.70** +0.05
- 6) -0.45, -0.55, -0.65, **-0.75, -0.85, -0.95** -0.1
- 7) -12.3, -13.3, -14.3, **-15.3, -16.3, -17.3** -1.0
- 8) 2.67, 2.70, 2.73, **2.76, 2.79, 2.82** +0.03
- 9) 14.5, 14.3, 14.1, **13.9, 13.7, 13.5** -0.2
- 10) 8.25, 8.20, 8.15, **8.10, 8.05, 8.00** -0.05

What are the missing numbers?

- 11) 1.45, 1.49,, 1.57, 1.61 **1.53**
- 12) 14.5,, 14.1, 13.9, 13.7 **14.3**
- 13) -1.2, -1.4,, -1.8, -2.0 **-1.6**
- 14), -2.25, -2.0, -1.75 **-2.50**
- 15) 0.46, 0.50,, 0.58 **0.54**

Challenge:

- 16) 1.5, 2.6,, 4.8, 5.9 **3.7**
- 17), 9.76, 9.96, 10.16 **9.56**

Extensions: Can you create some sequences for your partner to solve?

Sheet B: Higher Ability: Answers

Focus: I can count in decimal steps to create a sequence

Write out the sequence in your book, the next three numbers and what the pattern is.

- 1) 1.5, 2.6, 3.7, 4.8, 5.9, **7.0, 8.1, 9.2** + 1.1
- 2) 9.56, 9.76, 9.96, **10.16, 10.36, 10.56** +0.2
- 3) -4.43, -5.43, -6.43, -7.43, **-8.43, -9.43, -10.43** - 1.0
- 4) 11.29, 11.20, 11.11, **11.02, 10.93, 10.84** - 0.09
- 5) 2.5, 3.7, 4.9, 6.1, **7.3, 8.5, 9.7** +1.2
- 6) 34.89, 33.66, 32.43, 31.2, **29.97, 28.74, 27.51** - 1.23
- 7) 21.8, 21.05, 20.3, 19.55, **18.8, 18.05, 17.3** - 0.75
- 8) -4.5, -3.6, -2.7, **-1.8, -0.9, 0** +0.9
- 9) -12.45, -12.65, -12.85, **-13.05, -13.25, -13.45** - 0.2
- 10) 23.67, 26.12, 28.57, **31.02, 33.47, 35.92** + 2.45

What are the missing numbers?

- 11) 0.35,, 0.85, 1.1 **0.6**
- 12) 2.45, 3.65,, 6.05, 7.25 **4.85**
- 13) -1.2, -3.5, -5.8,, -10.4 **- 8.1**
- 14) -0.43,, -0.57, -0.64, -0.71 **- 0.5**
- 15), 0.68, 0.57, 0.46, 0.35 **0.79**

Challenge:

- 16) 0.34,, 1.36, 2.72 **0.64 (Rule: x2)**
- 17) 1.3, 3.9, 11.7, **35.1 (Rule: x3)**

Extensions: Can you create some sequences for your partner to solve?