

Worksheet 2015-8 EB-00003(1)

(1) Complete the next 5 terms in each of the following sequences:

(a) $6 ; 12 ; 18 ; 24 ;$ $30 ; 36 ; 42 ; 48 ; 54$ $(+6)$

(b) $-1 ; -12 ; -23 ; -34 ;$ $-45 ; -56 ; -67 ; -78 ; -89$ (-11)

(c) $1\frac{9}{10} ; 1\frac{7}{10} ; 1\frac{1}{2} ; 1\frac{3}{10} ;$ $1\frac{1}{10} ; \frac{9}{10} ; \frac{7}{10} ; \frac{5}{10} = \frac{1}{2} ; \frac{3}{10}$ $(-\frac{2}{10})$

(d) $240 ; 120 ; 60 ; 30 ;$ $15 ; \frac{15}{2} ; \frac{15}{4} ; \frac{15}{8} ; \frac{15}{16}$ $(\div 2)$

(e) $3 ; 4 ; 6 ; 9 ; 13 ;$ $18 ; 24 ; 31 ; 39 ; 48$

(2) The following sequence shows the Whole numbers: $12 ; 14 ; 16 ; 18 ; 20 ; \dots$

(a) Describe the pattern of the sequence in words.

Add 2.

(b) Which of the given numbers are complete squares?

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(c) Which of the given numbers are multiples of 8?

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(d) Write the next complete square that will appear in the sequence.

36

(e) Write the next multiple of 8 that will appear in the sequence.

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