

Unit 25.1

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|------------|----------|---------|----------|----------|---------|
| 1. a) true | b) true | c) true | d) false | e) false | f) true |
| g) false | h) false | 2. yes | 3. b | 4. 20 | 5. 4 cm |
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Unit 25.2

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|-------------|-----------|-----------|-----------|-----------|-----------|
| 1. a) $x=4$ | b) $y=8$ | c) $a=7$ | d) $k=12$ | e) $r=17$ | f) $b=17$ |
| g) $p=8$ | h) $z=4$ | i) $m=11$ | j) $s=7$ | k) $h=16$ | l) $c=14$ |
| m) $e=10$ | n) $q=14$ | | | | |
| 2. a) true | b) false | c) false | d) true | 3. a | 4. no; 15 |
| 5. $y=5$ | | | | | |
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Unit 25.3

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|-------------|-------|----------|-------------------------|-----------|----------|
| 1. a) $x=9$ | b) 21 | c) $m=8$ | d) $r=42$ | e) $n=80$ | f) $k=7$ |
| 2. 7 | 3. b | 4. yes | 5. $p \div 4 = 32; 128$ | | |
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Unit 25.4

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|------------|------------|-------------|-------------|---------------------|------|
| 1. $a > 2$ | b) $n < 5$ | c) $s > 14$ | d) $x < 12$ | 2. $k < 9, 8, 7, 6$ | 3. c |
| 5. no | | | | | |
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Unit 25.5

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| 1. a) 19; 27; 33; 42 | b) 14; 10; 6; 0 | c) 0; 12; 28; 36 |
| d) 1; 8; 5; 30; 13 | 2. 3,000; 30,000 | 3. d |
| 4. 41; 58; 72; 86; 91 | | |
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Unit 25.6

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|---------------------------------------|--------------------|----------------|-------|
| 1. a) $m+7=18$ | b) $5x-3=22$ | c) $k+9+2=100$ | |
| d) $4x-33=77$ | e) $a \times 8=56$ | | |
| 2. a) The sum of y and 2 is 10. | | | |
| b) The difference of p and 6 is 5. | | | |
| c) The sum of 60 and n is 100. | | | |
| d) The difference of z and 10 is 0. | | | |
| e) The product of 3 and r is 21. | | | |
| 3. i) b | ii) d | iii) a | iv) c |
| 4. $p-3=7; p=10$ | 5. d | | |
| 6. The sum of x and 6 is 9; $x=3$ | | 7. 11 | |
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Unit 25.7

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| 1. b | 3. a |
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Unit 25.8

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| 1. a) 15; 9; 18 | b) 20; 5; 12 | c) 14; 28; 35 | |
| 2. 10; 19 | 3. c | 4. 65 | 5. 45 |
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Unit 25.9

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|-------|---------|------|-------------------|
| 1. no | 2. a) 5 | b) 2 | 3. $5a+2=17; a=3$ |
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5. 25; 60; 85; 485