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| **EE. 5, 6. 7 Quizlet Test Review [1565259]** | |
| Student |  |
| Class |  |
| Date |  |

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| **1.** | **What number goes in the box to make a true statement?**  /files/assess_files/a5546038-ea65-4660-81aa-7fe5503edb69/I29220_16.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 4 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 5 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 16 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 21 | |
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| **2.** | **Which number goes in the box to make a true statement?**  /files/assess_files/060ea5a7-f429-4e15-9d48-ecc3b3fc62eb/I28884_16.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 8 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 16 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 32 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 96 | |
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| **3.** | **Which value can be substituted for *n* to form a true proportion?**  /files/assess_files/73bf8639-0cd6-4e46-bb15-561c681a86f7/I99665_49.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 3.6 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 10 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 12 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 22.5 | |
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| **4.** | What is the value of *n* in the equation *n* + *n* + *n* = 60? |
|  |
|  | |  |  | | --- | --- | | **A.** | 10 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 20 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 30 | |
|  |  |
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| **5.** | What is the value of *x* in the equation /files/assess_files/679958b5-0249-4590-9810-97c1122c4504/I380186_1.png? |
|  |
|  | |  |  | | --- | --- | | **A.** | 45 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 5 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/94a4e022-a137-4874-a1f6-582a52a7b5dd/I380186_2.png | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/d7526c58-9df7-44e1-85d9-5280cfc8d6b2/I380186_3.png | |
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| **6.** | **Which expression goes in the box to make a true statement?**  /files/assess_files/3ff96f9c-950d-4761-8836-b2b9bb06a992/I29282_76.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/01eb1615-fc04-4987-a720-7ef9bafbfbc8/I29282_77.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/32cfb2c9-091a-45a6-aeef-8d5344cadd22/I29282_78.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/482e60bf-76b8-4732-9493-838da750d0d6/I29282_79.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/4de145b5-f832-4ebb-8682-885f9e0b6abf/I29282_80.gif | |
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| **7.** | **In this equation, what number is represented by the box?**  /files/assess_files/3a4d9276-6519-4a5d-ba06-25ae262a116f/I43595_16.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 2 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 4 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 5 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 7 | |
|  |  |
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| **8.** | **Which number can be used in the box to make the number sentence true?**  /files/assess_files/e718165c-e33a-49dd-bd21-29e7aadd0ad7/I32039_16.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 4 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 5 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 14 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 19 | |
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| **9.** | Stan has 8 fewer pencils than Teresa. If *t* represents the number of pencils Teresa has, which expression represents the number of pencils Stan has? |
|  |
|  | |  |  | | --- | --- | | **A.** | *t* – 8 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 8 – *t* | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *t* + 8 | |
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| **10.** | **A certain radioactive isotope loses half of its mass every five years. If *m* represents its current mass, which expression represents the mass of the isotope after five years?** |
|  |
|  | |  |  | | --- | --- | | **A.** | 0.5*m* | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 1.5*m* | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 1.05*m* | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 2.5*m* | |
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| **11.** | **A new building is 12 floors higher than the height, *h*, of the building across the street. Which expression best represents the height of the new building measured in number of floors?** |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/c8a0e341-176a-4008-8ddc-b15b7d886993/I48650_61.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/e6a50f98-26fd-4802-9f79-3228ae09d20e/I48650_62.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/8ccb71ab-e7a1-42cf-92b9-c23ab0cfd1e1/I48650_63.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/6894f615-e026-4284-9d37-bd98ac444c5d/I48650_64.gif | |
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| **12.** | Amanda wants to read 100 books this school year. She has read 64 books so far. If *N* represents the number of books Amanda has not read, which expression represents the total number of books Amanda wants to read? |
|  |
|  | |  |  | | --- | --- | | **A.** | 100 − *N* | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *N* + 36 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *N* + 64 | |
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| **13.** | **Keith biked 26 miles today and 32 miles yesterday. Which equation shows *m*, the number of miles he biked all together?** |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/2efe0fd5-bc2b-4b3d-a9ed-bd126d652d51/I644543_1.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/22659fbe-cac2-40e7-ac30-c436bc697937/I644543_2.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/39a245ef-6328-4a4f-9b12-dc2f1e0ba9a2/I644543_3.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/28169e8d-105b-49ec-961b-daec26b2874f/I644543_4.gif | |
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| **14.** | **Ninety-eight band members will march in rows during the half-time show. If 7 band members march in each row, which equation can be used to find the total number of rows?** |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/9cc1661f-4368-4dc8-9dfb-32b31fb417c1/I634055_9.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/3f599481-c301-463b-9861-5295d9995dfa/I634055_10.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/5a0eb3e6-cbf2-4ccb-b323-93547bcaeb13/I634055_11.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/0ca90466-ad05-4166-8ba8-9ae2f9d3ea62/I634055_12.gif | |
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| **15.** | A plane traveling to New York has *p* passenger seats. The number of passengers seated on the plane is 175. Which expression can be used to find the number of empty seats on the plane? |
|  |
|  | |  |  | | --- | --- | | **A.** | 175+*p* | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *p*−175 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 175−*p* | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *p×*175 | |
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| **16.** | **What is the value of *a* in the equation**/files/assess_files/d46f5734-380c-4467-9a67-511e7c1b8d1e/I48665_121.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/4fe79801-0d8e-4c7c-a384-3e479c4680f2/I48665_122.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/3dd211e3-af49-42d3-aafb-4e8ca7b2d778/I48665_123.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/6bebd265-7af9-4b43-b6d3-0ad60d789450/I48665_125.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/5d8f7886-4e96-40b8-8d67-0aac3f6c1fa1/I48665_127.gif | |
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| **17.** | Jonathan is paid every two weeks. Which equation shows the number of times Jonathan is paid, *n*, each year? |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/9eec3852-0c87-404d-bcb9-c4110827d216/I381254_1.png | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/fd0744ad-3700-48cc-bb61-f60a41c31411/I381254_2.png | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/b25e7c94-11f4-4e6c-9f79-4e8ee95b72db/I381254_3.png | |
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| **18.** | **Shelly borrowed $20 from her dad to buy a new CD player. She has paid back $17. Which equation could be used to find *x*, the amount she still owes her dad?** |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/9feb36d4-d4e5-48b6-a2c1-8f58aa071796/I45348_61.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/f1562b8c-cc1c-45b3-8972-d0ecc7fdfb55/I45348_62.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/a210dcb3-5e42-4cd9-aa74-dadb7be7e86b/I45348_63.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/d8ae6d05-f25d-42f0-9fcd-f428f92a3c46/I45348_64.gif | |
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| **19.** | Julius is selling raffle tickets for $2.50 each. The prizes to be awarded cost $2,260. Which equation represents the number of raffle tickets, *x*, that must be sold in order to pay for the prizes? |
|  |
|  | |  |  | | --- | --- | | **A.** | 2.50*x* = 2,260 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *x* + 2.50 = 2,260 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 2.50 = 2,260*x* | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 2.50*x* + 2,260 = 0 | |
|  |  |
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| **20.** | **Which value of *x* satisfies the equation?**  /files/assess_files/a528f5df-9c3a-4037-be5d-01168393db53/I629221_4.gif |
|  |
|  | |  |  | | --- | --- | | **A.** | 2.2 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 3.0 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 3.2 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 6.4 | |
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| **21.** | How long will it take a bus to travel 825 miles at a rate of 55 miles per hour? |
|  |
|  | |  |  | | --- | --- | | **A.** | 6 hours | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 7 hours | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 14 hours | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 15 hours | |
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| **22.** | **There are 144 microscopes in boxes at a school. Each box has 24 microscopes. Which equation could be used to find *b*, the number of boxes of microscopes at this school?** |
|  |
|  | |  |  | | --- | --- | | **A.** | /files/assess_files/01a17966-07fc-4a7d-adbd-9bf613abb00d/I99275_49.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/19633055-bd6c-4a37-a1f7-59b94eeddabb/I99275_50.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/9a501f5f-718c-470e-85bc-071252b4cde1/I99275_51.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/3c35aa20-d599-4543-8d9f-0eba3277e4b1/I99275_52.gif | |
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| **23.** | Sarah ran 25 miles more than Jill. Sarah ran 42 miles. Which equation represents the number of miles, *m*, Jill ran? |
|  |
|  | |  |  | | --- | --- | | **A.** | *m* + 25 = 42 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *m* – 25 = 42 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *m* + 17 = 42 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *m –* 17 = 42 | |
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| **24.** | What is the value of *z* in the equation (3 + 4) + *z* = (4 + 8) + 3? |
|  |
|  | |  |  | | --- | --- | | **A.** | 4 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | 6 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 8 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 10 | |
|  |  |
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| **25.** | A spool of yarn measures 125 cm. Julie cuts 25.6 cm from the spool. Which equation will calculate the remaining amount of yarn, *y*, on the spool? |
|  |
|  | |  |  | | --- | --- | | **A.** | *y* + 25.6 = 125 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *y* ÷ 25.6 = 125 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | 125 + 25.6 = *y* | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | 25.6*y* = 125 | |
|  |  |
|  |  |