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Pg 320-321

Start 3:47 - 359

$$A \quad 1 \quad 3 \cdot 3 = 9$$

$$2 \quad 4 = 4$$

$$3 \quad \sqrt{9} = 3$$

$$4 \quad 1$$

$$5 \quad (3)(3) = 9$$

$$6 \quad \sqrt{49} = 7$$

$$7 \quad 5 \cdot 5 \cdot 5 = 125$$

$$8 \quad \frac{1}{7 \cdot 4} = \frac{1}{28}$$

$$9 \quad 2 \cdot 2 \cdot 2 = 16$$

$$10 \quad \sqrt{64} = 8$$

$$11 \quad \frac{1}{10 \cdot 10 \cdot 10} = \frac{1}{1000}$$

$$12 \quad \sqrt{121} = 11 = 11 \cdot 1 = 12$$

B

$$1 \quad 3^8 = 6561$$

$$2 \quad -6^4 = 1296$$

$$3 \quad \sqrt{150} = 12.2$$

$$4 \quad 20^3 = 8000$$

$$5 \quad 6^{15} = 1$$

$$6 \quad (-4)^{-2} = \frac{1}{16}$$

$$7 \quad \sqrt{242} = 15.6$$

$$8 \quad (3.3)^2 = 16.9$$

$$9 \quad \sqrt{57} = 7.5$$

$$10 \quad \sqrt{536} = 23.2$$

$$11 \quad 11^0 = 1$$

$$12 \quad (-2)^8 = 256$$

$$13 \quad C \quad 6 \cdot 6 \cdot 6 = 6^3 \text{ or } C$$

$$14 \quad A \quad 3^3 < 2^4 \text{ or } A$$

$$15 \quad z^4 = \frac{1}{27}$$

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Pg 322-323

Start 4:00 - 4:18

A 1 $2.3 \cdot 10^3$ 2 $4.2 \cdot 10^4$ 3 $1.24 \cdot 10^7$ 4 $1.432 \cdot 10^{10}$ 5 $3.6 \cdot 10^7$ 6 $9.5 \cdot 10^3$ 7 $5.8 \cdot 10^7$ 8 $1.5 \cdot 10^{11}$ 9 $9 \cdot 10^9$ B 10 0.0005173 11 $3,700,000$ 12 $480,000,000$ 13 $0,0000017$ 14 0.0072 15 $916,000$ 16 $85,910,000$ 17 0.00000956 18 $\underline{2.35 \cdot 10^4} = 23500$ 19 $1.0 \times 10^9 = 1,000,000,000$ 20 $2.67 \cdot 10^9 = 2,670,000,000$ 21 $300,000,000 = 3 \cdot 10^8$ 22 B $4.356 \cdot 10^4$ 23 D $9.07 \cdot 10^4 \cdot 5 = 4535$

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Pg 324 - 325
Start 4:20 - 4:48

1 $4(7) - 2 + (6+4 \cdot 2) = 24 = 12 - 2 + 14$

2 $16 \div (10 - 6)^2 - 1 = 16 \div 4 = 1$

3 $5 - (5 - 7)(2) = 29 = 25 - (-4)$

4 $3(3) - (7+4) = 2 = -9 + 11$

5 $\frac{3^2 - (4 \cdot 2)^2}{2} - 7 = \frac{27 - 4^2}{2} = 9 - 2$

6 $\frac{25}{41} \cdot 3 + (6-1) - 20 = 5 \cdot 3 + 5$

7 $2^3 + (8-5)^2 - 3 = 14 = 8 + 9 - 3$

8 $(4-12)(-6) + (10-3) = 55 = (-8)(-6) + 7 = 48 + 7$

9 $30 \div 3(5-4) = 10 = 30 \div 3$

10 $15 + (4)(3) - 2^2 = 23 = 15 + 12 - 4$

11 $(4+2)^2 + (7-2)^3 = 161 = 36 + 125$

12 $7^2 \div (11-4) + (9+14) = 30 = 49 \div 7 + 23 = 7 + 23$

13 $2 \left[(17-11)^2 \cdot \frac{15-5}{2} \right] = 360 = 2 \left[36 \cdot 5 \right] = 2 \cdot 180$

14 $(5^2 + 6-3) \div (16-3) = 7 = 28 \div 7$

15 $150 - 4 \left[\frac{3+9}{4+1}, (14-11)^2 \right] = 6 = 150 - 4[4 \cdot 9] = 150 - 4 \cdot 36 = 150 - 144$

16 C $(1-75) \cdot (28)(30)$

17 B

18 B $22 + 6[(-4-5) \div 3(17-4)]$

$22 + 6[-9 \div 3(3)]$

$22 + 6[1] = 28$

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Start 2:58 - 3:19

A

1	$8 + (-3) = 5$	13	$-60 - (-10) = -50$
2	$56 - 5 = 45$	14	$-5 - 6 = -11$
3	$11 - (-2) = 13$	15	$12 + 13 = 25$
4	$-2 + 2 = 1$	16	$-55 + 20 = -35$
5	$-4 - (-5) = 1$	17	$7 + (-3) + (-5) - 10 = -11$
6	$8 - (-2) = 10$	18	$66 + (-22) - 33 = 11$
7	$6 - 9 = -3$	19	$-14 - (-6) + 18 = 10$
8	$2 + 11 = 13$	20	$80 - (-15) - 26 = 75$
9	$(-7) - (-3) = -4$	21	$6 - (-3) + (-5) + 8 = 12$
10	$(-4) + 6 = 2$	22	$-23 + (-11) - (-15) + 21 = 2$
11	$-15 + (-7) = -22$	23	$349 - 5 + 12 - 9 - 11 = -1$
12	$36 - 4 = 32$	24	$-7 - 20 - (-14) = -13$

B

25 $2 + (-5) = -3$ or B

26 $92 + 12 - 5 + 6 - 3 + 13 = 115$ on C

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pg 318 - 319

Start 3:10 - 3:45 PM

A	1	$(5)(4) = 20$	9	$(-18) \div (-9) = 2$
2	$(7)(-3) = -21$	10	$\frac{48}{8} = 6$	
3	$(-8)(6) = -48$	11	$(1)(6)(2) = 12$	
4	$(-7)(-9) = 63$	12	$(-75) \div 25 = -3$	
5	$(-1)(8)(0) = 0$	13	$ 3 \div (-1) = -1$	
6	$\frac{-3}{-3} = 1$	14	$(-5)(15) = -75$	
7	$12 \div (-4) = -3$	15	$\frac{18}{3} = 6$	
8	$-25 \div 5 = -5$			

B	6	$\frac{25 \times 4}{5} = 20$	23	$30 \div (1)(-5) = -125$
7	$(-3)(-5)(2)(-10) = -300$	24	$(-1)(2)(-3)(2)(-1) = -12$	
8	$20 \div (-5) \div (-2) = 2$	25	$\frac{(-5)(-2)(-5)}{5} = 20$	
9	$\frac{6(5)}{3} = -5$	26	$\frac{-6}{-5} = 1$	
20	$(-1)(2)(-5)(6) = 60$	27	$(-5)(-2)(0)(-1) = 0$	
21	$(12)(-2) \div (-2) = 12$			
22	$(-4)(-6)(-5) = -120$			

$$29 \quad B \quad \frac{-2(-7)(-1)}{3(-1)} = -7$$

$$29 \quad C \quad (2 \cdot 8) \div -8 \text{ or } C$$

$$30 \quad C$$