

Must-Know Math: 25 Activities to Build Key Skills in 3rd Grade

Answer Key

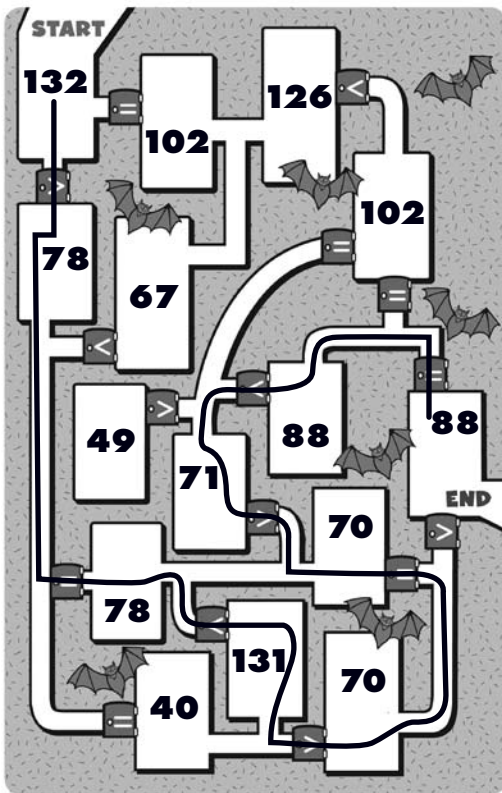
Page 3

- (1) Earth: $100+20+9$; Mars: $200+0+0$;
 (2) Earth: $200+70+7$; Mars: $2,000+500+0+0$;
 (3) Earth: $7,000+900+20+6$; Mars: $4,000+200+20+0$
 (4) Earth: $20,000+9,000+0+30+5$;
 Mars: $60,000+9,000+800+0+0$

Page 4

- (1) 50; (2) 35,000; (3) 500; (4) 20,000; (5) 680; (6) 200; (7) 80,000; (8) 6,000. *Riddle:* Because he had no body to go with.

Page 5



Page 6

- Left column, from top to bottom: 840; 704; 625; 610; 403; 330; 178; 146. Right column, from top to bottom: 838; 796; 718; 572; 490; 356; 209; 123.
 The monkey on the right should be circled.

Page 7

- (1) 80; (2) 25; (3) 10; (4) 600; (5) 590; (6) 206; (7) 40. *Zero's question:* 32; 42

Pages 8-9

- (1) 4,294; (2) 11,713; (3) 4,872; (4) 172; (5) 6,154; (6) 777

Page 10

- (D2) 394; (A2) 358; (D3) 397; (C2) 382; (A1) 355; (B3) 373; (A4) 364; (B1) 367; (D4) 400; (B4) 376.
Missing numbers in grid: (A3) 361; (B2) 370; (C3) 385; (C4) 388; (D1) 391. *Children should answer that the numbers in the grid increase by 3 across the rows and/or that the numbers increase by 12 down the columns.*

Page 11

- (1) 70¢; (2) 24¢; (3) 51¢; (4) \$1.76.
Zero's question: play putty

Page 12

- (1) DEAL; (2) NO DEAL; (3) DEAL; (4) DEAL; (5) NO DEAL; (6) DEAL. *Zero's question:* \$.75

Page 13

- (1) 11:00 a.m.; (2) 2:30 p.m.; (3) 6:05 p.m.; (4) 7:05 p.m.

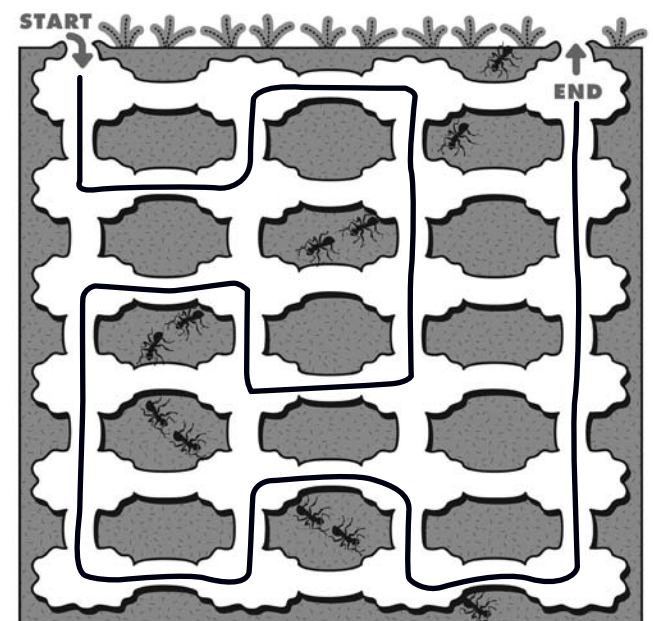
Pages 14-15

- (1) 10:45 p.m.; (2) *The Adventures of Blunder and Bob*;
 (3) 6; (4) 25 minutes; (5) *Pirates of the East River III*;
 (6) 20 minutes; (7) the hands should show 7:25

Pages 16-17

- (2) 2,415; High Point, NC; (3) 162; Orlando, FL;
 (4) 1,026; Collinsville, IL; (5) 305; Hellam, PA;
 (6) 800; La Puente, CA; (7) 252; La Cruces, NM

Page 18



Must-Know Math: 25 Activities to Build Key Skills in 3rd Grade

Answer Key

Page 19

(2) $8 \div 2 = 4$; (3) $9 \div 3 = 3$; (4) $15 \div 5 = 3$; (5) $16 \div 4 = 4$;
(6) $12 \div 6 = 2$

Page 20

Cheng Family: $7 \times 3 = 21$; $3 \times 7 = 21$; $21 \div 7 = 3$; $21 \div 3 = 7$; Purvis Family: $4 \times 9 = 36$; $9 \times 4 = 36$; $36 \div 9 = 4$; $36 \div 4 = 9$. *Mystery Member #1*: Singer Family.
Mystery Member #2: Cheng Family

Page 21

(1) 5 R7; (2) 3 R5; (3) 27 R1; (4) 10 R8; (5) 7 R3;
(6) 5 R2; (7) 9 R9; (8) 11 R6; (9) 9 R4; *Answers to jokes*:
"Dwayne the tub, I'm dawning!" and "Scott nothing to do with you!"

Page 22

(1) $8/16$; (2) $6/8$; (3) $4/16$, $2/8$

Page 23

"Serves 4" column from top to bottom: $2/6$ cup; $2/4$ cup; $2/3$ cup; 1 cup; 1 cup. "Serves 6" column from top to bottom: $3/6$ cup; $3/4$ cup; 1 cup; $1\ 1/2$ cup; $1\ 1/2$ cup

Page 24

Yellow worm: 7 inches; named Rebekka. *Green worm*: $7\ 3/4$ inches, named Vince. *Red worm*: $7\ 1/4$ inches, named Farris.

Page 25

The correct path takes students through: (1) a; (4) b; (5) a; (12) a; (6) a or b

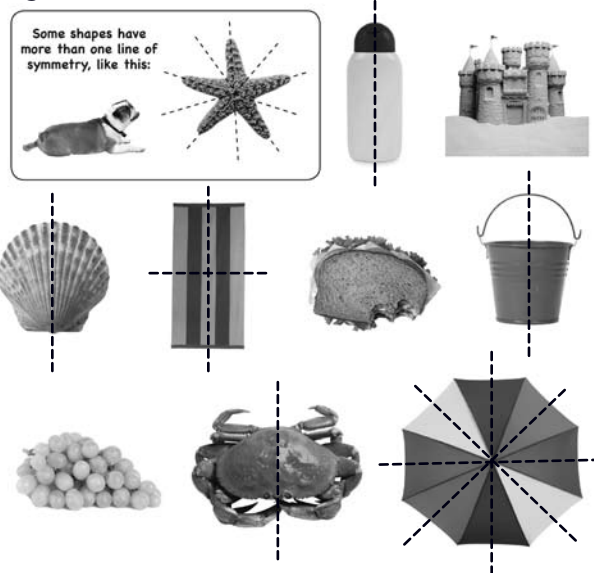
Page 26

The number of penguins pictured is approximately 235.

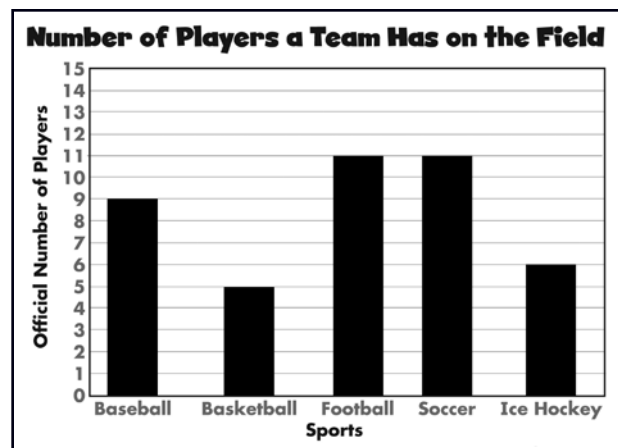
Page 27

Blanket B: perimeter is 24 ft., area is 35 sq. ft.
Blanket C: perimeter is 16 ft., area is 16 sq. ft.
Blanket D: perimeter is 20 ft., area is 16 sq. ft.
(1) A and D; (2) C and D; (3) 28 ft.

Page 28



Page 29



Zero's question: football and soccer; 11

Pages 30-31

(1) brown hare; (2) 20 miles per hour; (3) 48 miles per hour; (4) 700; (5) western lowland; (6) 111,475; (7) 5 inches; (8) 20 inches; (9) 5 inches. *Bonus*: line graph