

Student Activity Book

Lunchtime at the Bird House
(SAB pp. 623–624)

Questions 1–5

1. 3 orange segments per bird bowl
2. 4 grapes per bird bowl
3. 2 leaves of spinach per bird bowl
4. 4 banana slices per bird bowl
5. 7 strawberries per bird bowl

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Name _____ Date _____

Lunchtime at the Bird House

It is lunchtime at the Bird House. Help the zookeeper share the food. Draw pictures to show how many items each bird will get.

1. Draw 6 bird bowls. Share 18 orange segments.

How many will each bird get? _____

2. Draw 3 bird bowls. Share 12 grapes.

How many will each bird get? _____

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3. Draw 5 bird bowls. Share 10 leaves of spinach.

How many will each bird get? _____

4. Draw 5 bird bowls. Share 20 banana slices.

How many will each bird get? _____

5. Draw 2 bird bowls. Share 14 strawberries.

How many will each bird get? _____

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Equal Shares at the Reptile House

Solve each problem and write a number sentence. Show or tell how you solved each problem. Remember to label your answers.

1. The zookeeper has 10 bags of zucchini. The reptiles need 2 bags each day. How many days will the zucchini last?

Number sentence _____

2. There are 25 bags of apples in a shipment. The reptiles need 5 bags each day. How many days will the apples last?

Number sentence _____

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3. The zookeeper received 16 bags of beans. If the reptiles eat 2 bags a day, how many days will the beans last?

Number sentence _____

4. The reptiles eat 4 bags of kale each day. The zookeeper has 12 bags. How many days will it last?

Number sentence _____

5. The zookeeper received 24 heads of cabbage. The reptiles need 4 heads each day. How many days will it last?

Number sentence _____

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Equal Shares at the Reptile House

(SAB pp. 625–626)

Questions 1–5

Strategies and number sentences may vary. Possible responses are given.

1. 5 days. Possible strategy: I drew 10 bags of zucchini. I circled 2 for each day. It will last 5 days.

Possible number sentences: $10 \div 2 = 5$ days, $10 - 2 - 2 - 2 - 2 - 2 = 0$, $2 \times 5 = 10$, or $2 + 2 + 2 + 2 + 2 = 10$

2. 5 days. Possible strategy: I used skip counting. I counted by fives until I reached 25: 5, 10, 15, 20, 25. It will last 5 days.

Possible number sentences: $5 + 5 + 5 + 5 + 5 = 25$, $5 \times 5 = 25$ days, or $25 \div 5 = 5$ days

3. 8 days. Possible strategy: I used 16 connecting cubes. I made groups of 2 and I had 8 groups.

Possible number sentences: $16 \div 2 = 8$ days, $2 \times 8 = 16$, or $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$

4. 3 days. Possible strategy: I kept subtracting. The first day the reptiles ate $12 - 4 = 8$ bags. The second day they started with 8 bags and ate 4 more of them: $8 - 4 = 4$. They ate 4 bags for one more day and then they were out of kale: $4 - 4 = 0$.

Possible number sentences: $12 \div 4 = 3$ days, $12 - 4 - 4 - 4 = 0$, $4 \times 3 = 12$, or $4 + 4 + 4 = 12$

5. 6 days. Possible strategy: I drew 24 heads of cabbage. I circled 4 for each day. I had 6 groups.

Possible number sentences: $24 \div 4 = 6$ days, $24 - 4 - 4 - 4 - 4 - 4 - 4 = 0$, $4 \times 6 = 24$, or $4 + 4 + 4 + 4 + 4 + 4 = 24$

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Zoo Kitchen Problems (SAB pp. 627–628)

Questions 1–5

Strategies and number sentences may vary. Possible responses are given.

1. 8 heads of lettuce. Possible strategy: I drew 4 rabbits and gave each 2 heads of lettuce.
Possible number sentences:
 $2 + 2 + 2 + 2 = 4$ heads of lettuce, $2 \times 4 = 8$
2. 3 days. Possible strategy: I used a number line. I made constant math hops of -6 until I got to zero. I made 3 hops so that's 3 days.
Possible number sentences: $18 \div 6 = 3$ days,
 $18 - 6 - 6 - 6 = 0$, $6 + 6 + 6 = 18$,
 $6 \times 3 = 18$
3. 3 apples. Possible strategy: I drew 9 apples and circled 3 apples for each monkey. My answer is 3 apples.
Possible number sentences: $9 \div 3 = 3$ apples,
 $9 - 3 - 3 - 3 = 0$, $3 + 3 + 3 = 9$, or
 $3 \times 3 = 9$
4. 7 monkeys. Possible strategy: I drew 21 bags and circled 3 bags for each monkey. I made 7 circles.
Possible number sentences:
 $21 \div 3 = 7$ monkeys,
 $21 - 3 - 3 - 3 - 3 - 3 - 3 = 0$,
 $3 \times 7 = 21$, $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$
5. 4 bunches of carrots. Possible strategy: I took 16 connecting cubes. I gave 1 to each of the 4 goats. I kept giving each goat 1 until I ran out of cubes. Each goat will get 4 bunches of carrots.
Possible number sentences: $16 \div 4 = 4$ bunches of carrots per goat, $16 - 4 - 4 - 4 - 4 = 0$,
 $4 \times 4 = 16$, $4 + 4 + 4 + 4 = 16$

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Name _____ Date _____

Zoo Kitchen Problems

Solve each problem and write a number sentence. Show or tell how you solved each problem. Remember to label your answers.

1. There were some heads of lettuce in a box in the zoo kitchen. The zookeeper gave all the lettuce to 4 rabbits. If she gave 2 heads of lettuce to each rabbit, how many heads of lettuce were in the box?

Number sentence _____
2. Emily has 18 bales of hay. Each day she needs 6 bales of hay for the horses. How many days will the hay last?

Number sentence _____

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3. Darius has 9 apples that he wants the monkeys to share fairly. There are 3 monkeys in the cage. How many apples will each monkey get?

Number sentence _____
4. There is a shipment of 21 bags of kale. The zookeeper gives them to some monkeys. If each monkey gets 3 bags of kale, how many monkeys are there?

Number sentence _____
5. Another shipment has 16 bunches of carrots. The zookeeper gives each of the 4 goats some carrots. If he shares the carrots equally between the goats, how many will each goat get?

Number sentence _____

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