

# Math & Science Homework Boxes

## Monday

1. A company employs 1,096 people. They are planning to give each employee a \$125 bonus at the end of the year. How much money should they budget for this?

2. Shiv and Ritvik are having a paper airplane contest. Ritvik's flies 3.7 feet and Shiv's plane flies 1.09 feet further than Ritvik's. How far did Shiv throw his plane?

3. Solve:  $3 \frac{2}{5} \times 4 \frac{3}{4}$

## Tuesday

1. A clothing designer needs  $1 \frac{3}{4}$  yards of fabric for a dress being made and she has  $4 \frac{3}{8}$  yards of fabric. How much extra fabric will she have after making one dress?

2. How many full dresses could she create with the amount of fabric she has total?

3. The 5th grade team bought 9 packages of Freeze Pops for a celebration at the end of the year. If there are 5 classrooms, how many packages will each classroom get?

## Wednesday

1. Solve:  $\frac{1}{6} \times \frac{3}{4}$

2. Write a realistic word problem for  $\frac{1}{6} \times \frac{3}{4}$ .

3. Compare:

$$5 \div \frac{1}{3} \quad \underline{\hspace{1cm}} \quad 10$$

$$\frac{1}{4} \div 6 \quad \underline{\hspace{1cm}} \quad \frac{1}{8}$$

$$8 \div 3 \quad \underline{\hspace{1cm}} \quad 3$$

## Thursday

1. After a birthday party,  $\frac{1}{6}$  of the cake is leftover. 3 people decide to split the remaining cake. How much of the cake does each person take home?

2. Each batch of peanut butter cookies requires  $2 \frac{2}{3}$  cups of peanut butter. How much peanut butter is needed for  $\frac{1}{4}$  of a batch?

3. What do you know about the product of a factor multiplied by another factor greater than 1?

### Monday

1. What is the difference between acquired traits and inherited traits?
2. Matt is a tall, eleven-year old boy. He has a scar on his right cheek. He is intelligent and an excellent drummer. Which of his traits did he most likely inherit?
  - A. His height
  - B. His scar
  - C. His intelligence
  - D. His ability to play the drums
3. Name 3 traits that you inherited from your parents. Be specific!

### Tuesday

1. Which characteristic would a child not inherit from one or both of its parents?

- A. Freckles
- B. Hair style
- C. Dimples
- D. Eye color

2. Sort the following into the table:

*Specific beliefs, nose shape, fingerprints, memories, injured knee, attached earlobes, painted nails, ability to read*

Inherited Traits	Acquired Traits

### Wednesday

1. How do you get your DNA? Where does it come from?
2. Why do dogs have most of the characteristics of their parents?
  - A. They live in the same environment as their parents.
  - B. They inherit them from their parents.
  - C. They learn by observing their parents.
  - D. They eat the same food as their parent.
3. Which trait of a cat is most likely the result of its environment?
  - A. Its color
  - B. Its ability to see in the dark
  - C. Its length of ears
  - D. Its food preference

### Thursday

1. Label each trait with an "A" for acquired and "I" for inherited.

- \_\_\_ shape of earlobes
- \_\_\_ ability to hunt for food
- \_\_\_ music ability
- \_\_\_ foot size
- \_\_\_ language
- \_\_\_ love of sports
- \_\_\_ body shape
- \_\_\_ clothing style
- \_\_\_ food preference
- \_\_\_ hair color
- \_\_\_ eye shape

2. Which animal trait is *not* learned behavior?

- A. A snake has a diamond pattern on its back used to camouflage.
- B. A chimpanzee uses twigs to fish for termites.
- C. A dog shakes paws with a person.
- D. A cheetah sneaks up on its prey.

