

# Grade 5 Whole Numbers

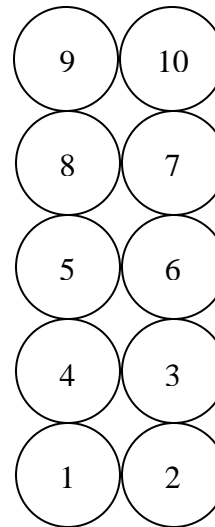
1. What is the largest number you can subtract from 3456 and get an answer greater than  $45 \times 71$ ?



2. Find the average age AND the average weight. Give answers to the nearest whole number.

NAME	AGE (yrs)	WEIGHT (lbs)
Amy	9	52
Bill	12	93
Hank	31	171
Lisa	11	71
Sara	19	107
Jim	17	158
Maria	18	118
Charles	32	162
Paul	29	149
Barb	33	122

3. Crack the code!



CODE

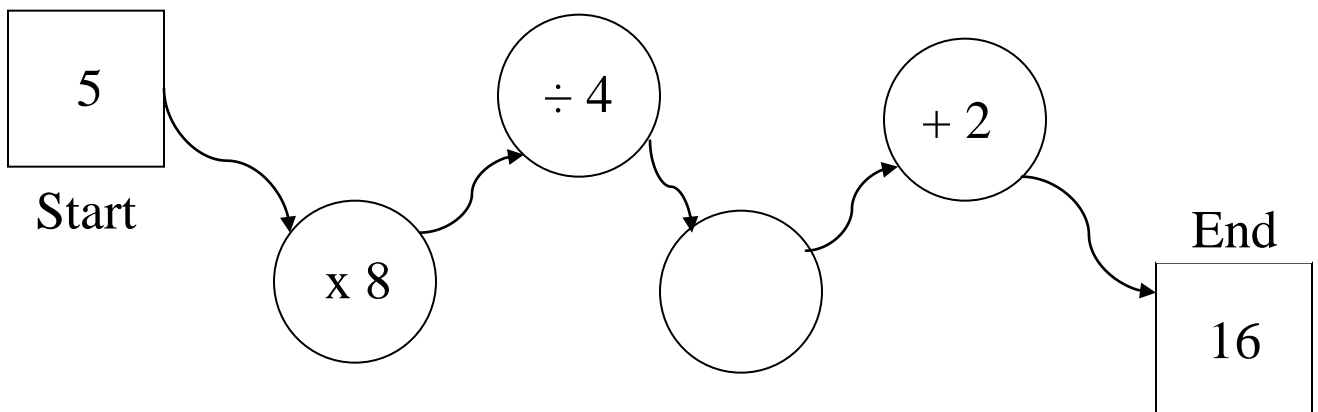
$$4 \uparrow = 20$$

$$6 \uparrow = 42$$

$$2 \uparrow \uparrow = 30$$


$$5 \uparrow = \underline{\hspace{2cm}}$$

4. What number is missing?



# Grade 5 Measurement

- 1.** Given the following grocery list, what is the difference between the most expensive store and the least expensive store?

A & C Grocery		Super-Save Grocery		Lo-Cost Grocery	
Apples...	3 lbs → \$1.29	 ORANGES	8 for \$1.79	Peas...	\$0.29 per can
Oranges...	6 for \$1.39	Apples...	6 lbs → \$2.69	Grapefruit...	4 for \$1.19
Bananas...	\$0.39 per lb	Grapefruit...	3 for \$0.99	Eggs...	1 dozen → \$0.99
Peas...	3 cans → \$1.00	Eggs...	1 dozen → \$0.89	Bananas...	2 lbs → \$0.69
Hamburger...	\$2.29 per lb	Bananas...	3 lbs → \$0.89	Hamburger...	\$2.19 per lb
Eggs...	1 dozen → \$0.79			Apples...	\$0.39 per lb

## Grocery List

*3 dozen eggs*

*6 pounds of bananas*

*6 pounds of apples*

- 2.** January 1, 2009 was a Thursday.  
what day was January 1, 2008 (a leap year)?



- 3.** The perimeter of the rectangle shown in the diagram is 20 m.  
The width of this rectangle is 4 m. What is the length of the rectangle?



- 4.** 3 hours and 54 minutes earlier than 12:47 is \_\_\_\_\_ ?

# Grade 5 Fractions

1.  $\frac{1}{8} + \frac{3}{8} = \frac{1}{6} + \frac{?}{6}$



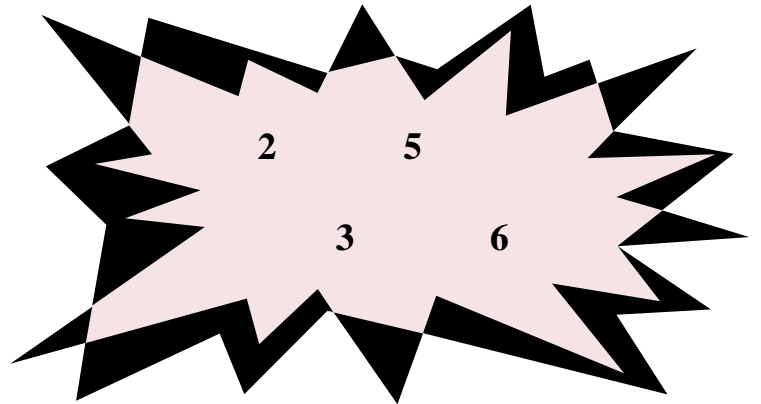
2.



Add my two fractions and you get  $\frac{7}{8}$ .  
 Multiply them and you get  $\frac{1}{4}$ .  
 What are my two fractions?

3.

Put each of the following digits in a  $\diamond$  to get the answer given. What are the two fractions?



$$\frac{\diamond}{\diamond} - \frac{\diamond}{\diamond} = \frac{1}{6}$$

4.

The movie was 135 minutes long.  
 Laura went to get popcorn when the movie was  $\frac{2}{3}$  over.  
 How many minutes into the movie did she leave?



# Grade 5 Geometry

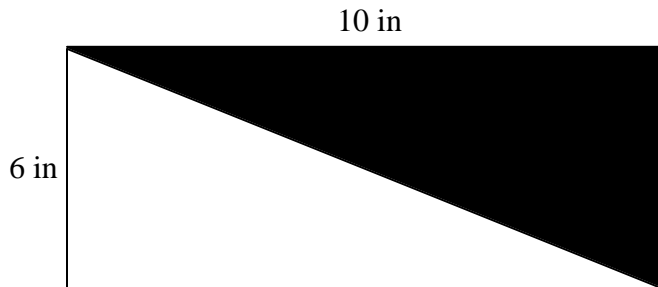
1. Your bedroom is 15 feet long and 13 feet wide.  
How many square feet of carpeting are needed to cover your floor?



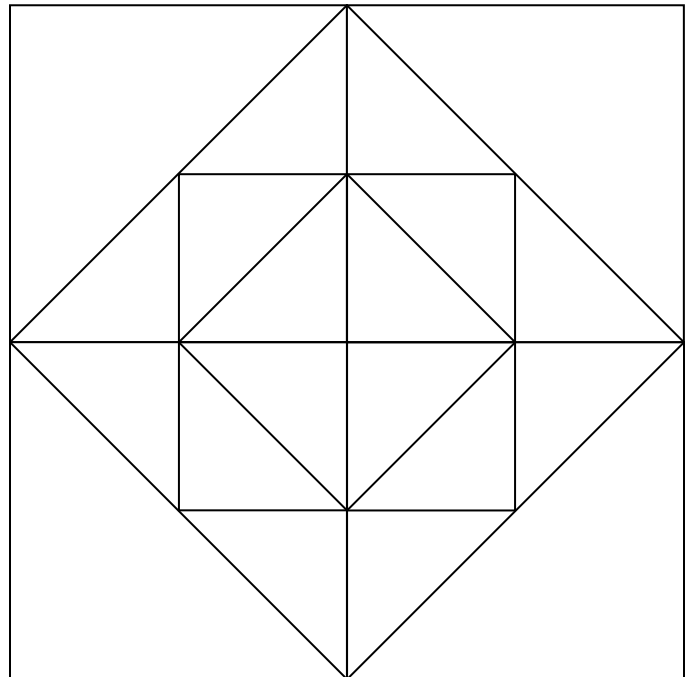
2. Find the volume of this box.  
Length = 25 cm  
Width = 8 cm  
Height = 6 cm



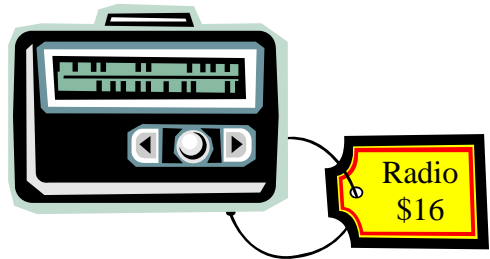
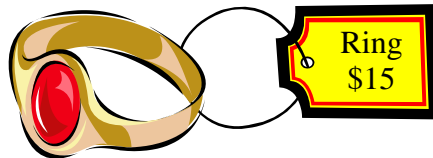
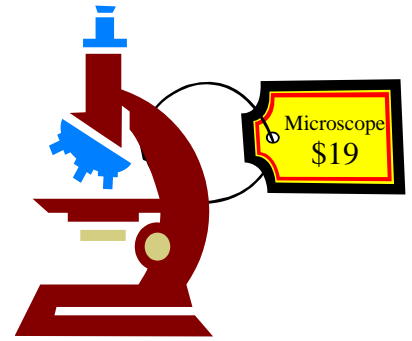
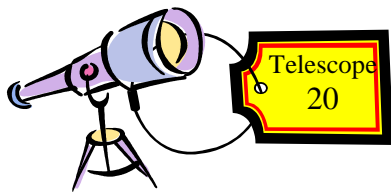
3. What is the area of the shaded region below?



4. How many squares can you count?  
*HINT: There are more than 10!*



# Grade 5 Decimals & Percents

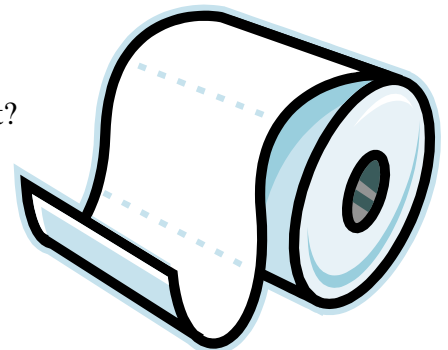


1. A \_\_\_\_\_ and a \_\_\_\_\_ cost a total of \$34. The difference between the two is \$4.
2. From the table below, what was the average donation?
3. Which of the following is most nearly equal to 6?

Number of Students	Size of Donation
2	\$0.25
1	\$0.50
2	\$0.75
3	\$1.00
1	\$1.25

- A)  $\frac{6.13 \times 5.89}{0.62}$       B)  $\frac{6.13 \times 5.89}{0.62}$
- C)  $\frac{61.3 \times 5.89}{6.2}$       D)  $\frac{0.613 \times 58.9}{6.2}$

4. Derek and Clay bought 32 rolls of toilet paper. The total bill was \$9.60. If each roll of toilet paper was the same price, how much did each cost?



## Grade 5 Brain Teasers

1.

Add 18 to my age.  
Then multiply by 6 and divide by 2.  
You will get 120.  
How old am I?



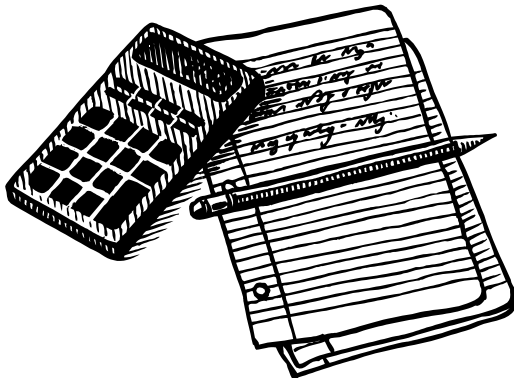
2.

A hole is 10 feet deep.  
A mole climbs up 5 feet during the day.  
Each night, the mole falls back 4 feet.  
Starting at the bottom of the hole, on which  
day does the mole get to the top?



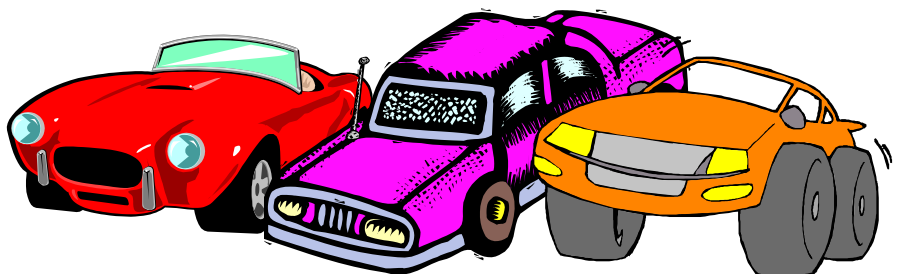
3.

A teacher uses a point system for math assignments.  
Every correct answer is worth 10 points. For every wrong answer, 5 points are subtracted.  
Tom solved 18 problems, and his score was 90 points. How many of his answers were correct?



4.

How many different ways can 3 cars park in 3 spaces?



# Grade 5 Whole Numbers (ANSWERS)

1. What is the largest number you can subtract from 3456 and get an answer greater than  $45 \times 71$ ?



**260**

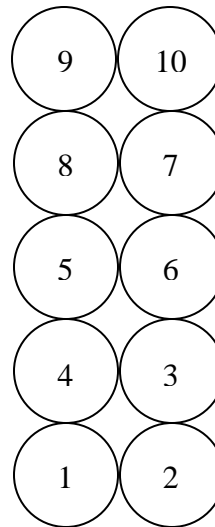
2. Find the average age AND the average weight. Give answers to the nearest whole number.

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Barb	33	122

**21**

**120**

3. Crack the code!



CODE

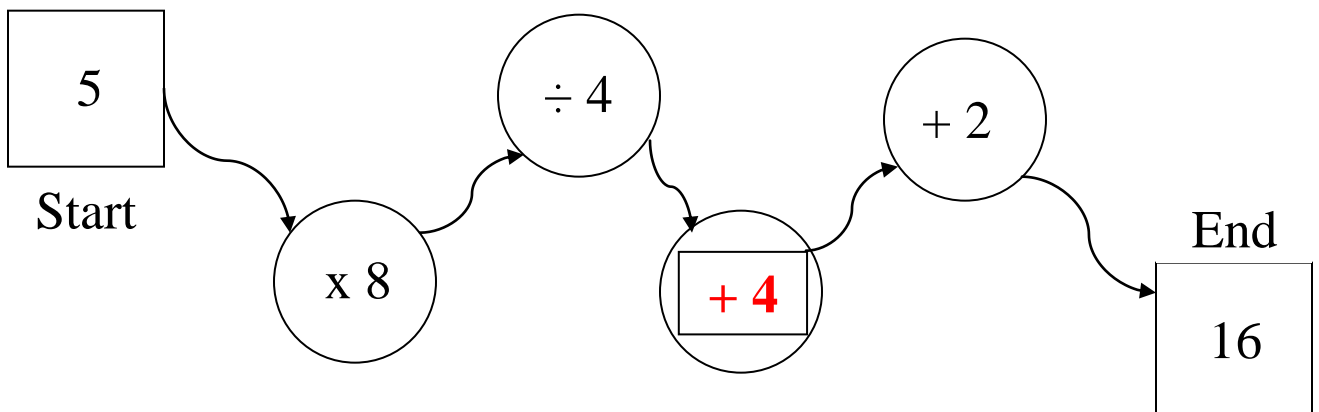
$4 \uparrow = 20$

$6 \uparrow = 42$

$2 \uparrow \uparrow = 30$


$5 \uparrow =$  **40**

4. What number is missing?



# Grade 5 Measurement (ANSWERS)

1. Given the following grocery list, what is the difference between the most expensive store and the least expensive store?

A & C Grocery		Super-Save Grocery		Lo-Cost Grocery	
Apples...	3 lbs → \$1.29		ORANGES 8 for \$1.79	Peas...	\$0.29 per can
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Hamburger...	\$2.29 per lb	Bananas...	3 lbs → \$0.89	Hamburger...	\$2.19 per lb
Eggs...	1 dozen → \$0.79			Apples...	\$0.39 per lb

**\$0.24**

## Grocery List

3 dozen eggs

6 pounds of bananas

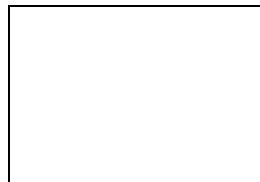
6 pounds of apples

2. January 1, 2009 was a Thursday.  
what day was January 1, 2008 (a leap year)?

**Tuesday**



3. The perimeter of the rectangle shown in the diagram is 20 m.  
The width of this rectangle is 4 m. What is the length of the rectangle?



**6 m**



4. 3 hours and 54 minutes earlier than 12:47 is **8:53** ?



# Grade 5 Fractions (ANSWERS)

1.  $\frac{1}{8} + \frac{3}{8} = \frac{1}{6} + \frac{?}{6}$



**2**

2.

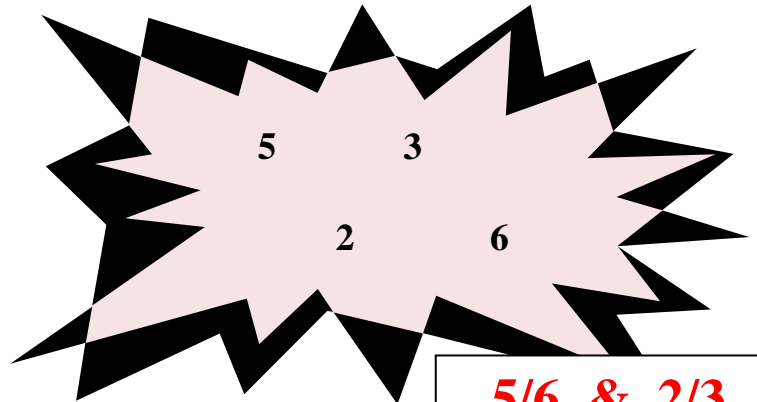


Add my two fractions and you get  $\frac{7}{8}$ .  
Subtract them and you get  $\frac{1}{4}$ .  
What are my two fractions?

**$\frac{9}{16}$  &  $\frac{5}{16}$**

3.

Put each of the following digits in a  $\diamond$  to get the answer given. What are the two fractions?



**$\frac{5}{6}$  &  $\frac{2}{3}$**

$$\frac{\diamond}{\diamond} - \frac{\diamond}{\diamond} = \frac{1}{6}$$

4.

The movie was 135 minutes long.  
Laura went to get popcorn when the movie was  $\frac{2}{3}$  over.  
How many minutes into the movie did she leave?

**90**



# Grade 5 Geometry (ANSWERS)

1. Your bedroom is 15 feet long and 13 feet wide.  
How many square feet of carpeting are needed to cover your floor?

195

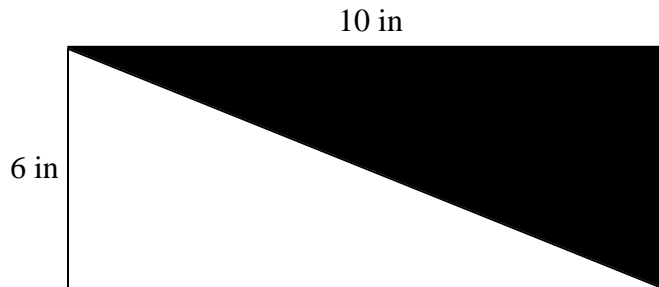


2. Find the volume of this box.  
Length = 25 cm  
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1200 cm<sup>3</sup>



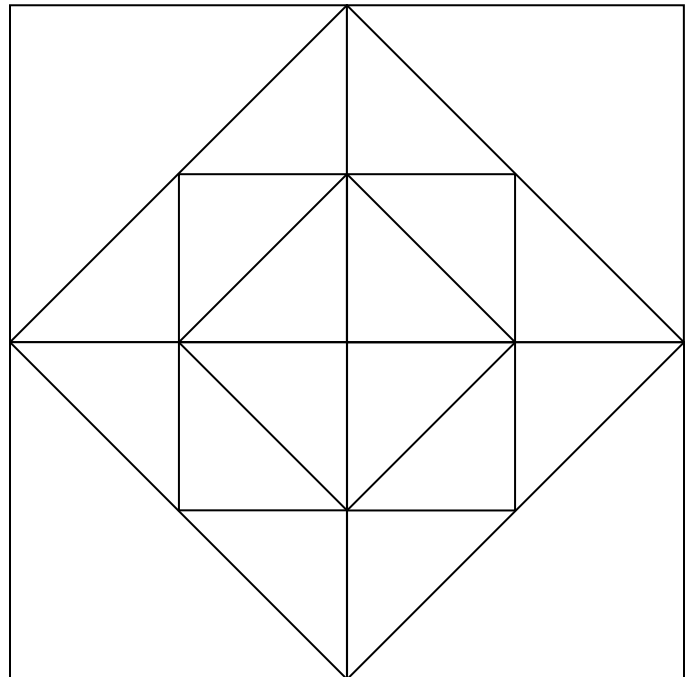
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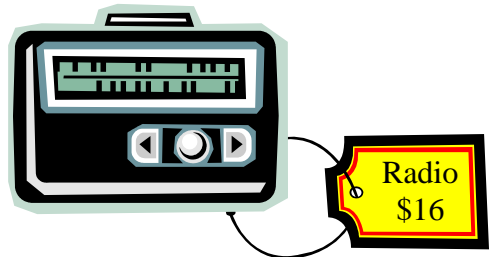
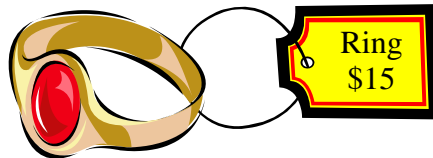
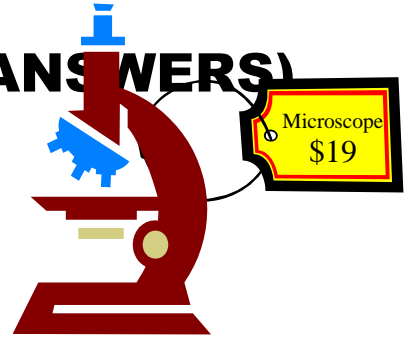
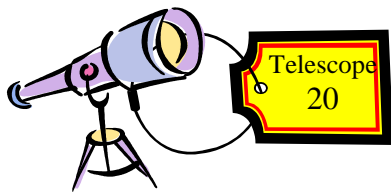
30 in<sup>2</sup>

4. How many squares can you count?  
*HINT: There are more than 10!*

12



# Grade 5 Decimals & Percents (ANSWERS)



**Microscope**

**Ring**

1. A \_\_\_\_\_ and a \_\_\_\_\_ cost a total of \$34. The difference between the two is \$4.
2. From the table below, what was the average donation?
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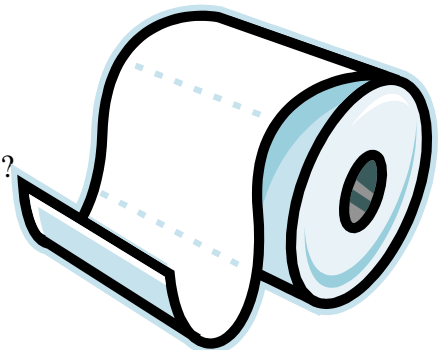
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**\$0.75**

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4. Derek and Clay bought 32 rolls of toilet paper. The total bill was \$9.60. If each roll of toilet paper was the same price, how much did each cost?

**\$0.30**



# Grade 5 Brain Teasers (ANSWERS)

1.

Add 18 to my age.  
Then multiply by 6 and divide by 2.  
You will get 120.  
How old am I?

22



2.

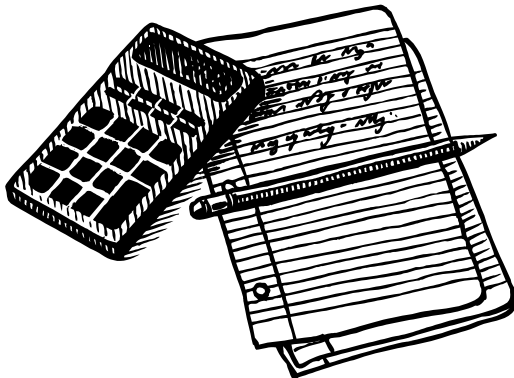
A hole is 10 feet deep.  
A mole climbs up 5 feet during the day.  
Each night, the mole falls back 4 feet.  
Starting at the bottom of the hole, on which day does the mole get to the top?

Day 6



3.

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Every correct answer is worth 10 points. For every wrong answer, 5 points are subtracted.  
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12

4.

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6

