Do Now: Please place your homework in front of you and work quietly on the Do-Now.

Thank you!

Mr. Colby took these pictures during a shopping trip at Walmart.

Which of these packages is the better bargain?

Be prepared to defend your claim with evidence.

Objective: Write and Solve Proportions.

A 3 inch frog can hop 5 feet.

How far could a 5 foot tall sixth grader hop if they hopped like a frog?

100 feet is the distance from my classroom door to M building !
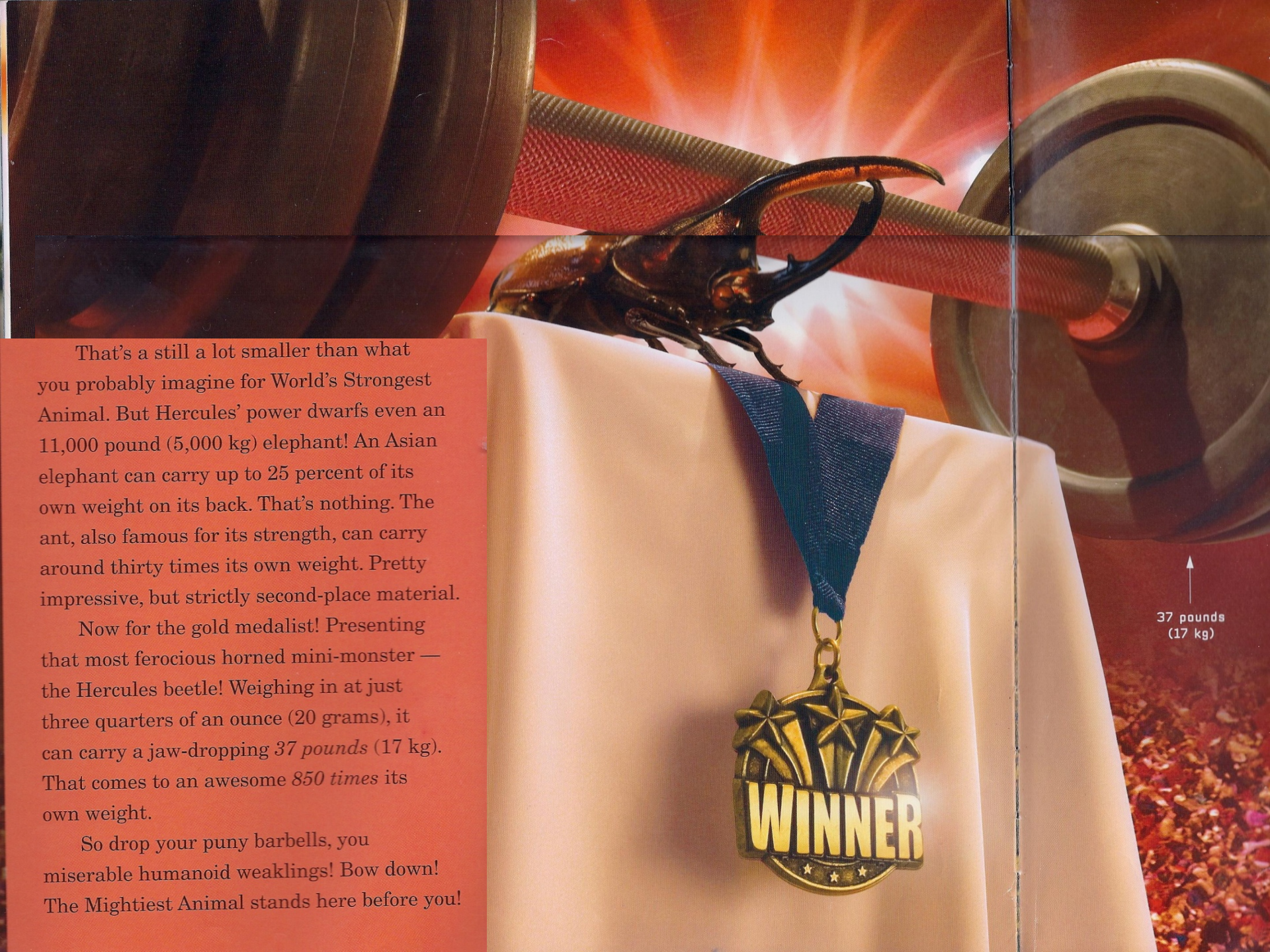
$$\frac{4}{5} = \frac{16}{20}$$

What is the strongest animal in the world?

Hercules Beetle

Hercules Beetle

The Champion of Champions! The One and Only! The Strongest Animal in the World!

Not the gorilla, not the elephant, not even the great blue whale can match the mightiest member of the animal kingdom.

It's *Dynastes hercules* — the greatest of the rhinoceros beetles!

Pound for pound, ounce for ounce, gram for gram, this awesome creature from the rain forests of Central and South America can outlift any being on Earth. Hercules may be small for a world champion weight lifter, but compared to the other 400,000 kinds of beetles, it's one of the largest. Male Hercules beetles sometimes reach a length of up to 6.75 inches (17 cm).

37 pounds
(17 kg)

WINNER

That's a still a lot smaller than what you probably imagine for World's Strongest Animal. But Hercules' power dwarfs even an 11,000 pound (5,000 kg) elephant! An Asian elephant can carry up to 25 percent of its own weight on its back. That's nothing. The ant, also famous for its strength, can carry around thirty times its own weight. Pretty impressive, but strictly second-place material.

Now for the gold medalist! Presenting that most ferocious horned mini-monster — the Hercules beetle! Weighing in at just three quarters of an ounce (20 grams), it can carry a jaw-dropping *37 pounds* (17 kg). That comes to an awesome *850 times* its own weight.

So drop your puny barbells, you miserable humanoid weaklings! Bow down! The Mightiest Animal stands here before you!
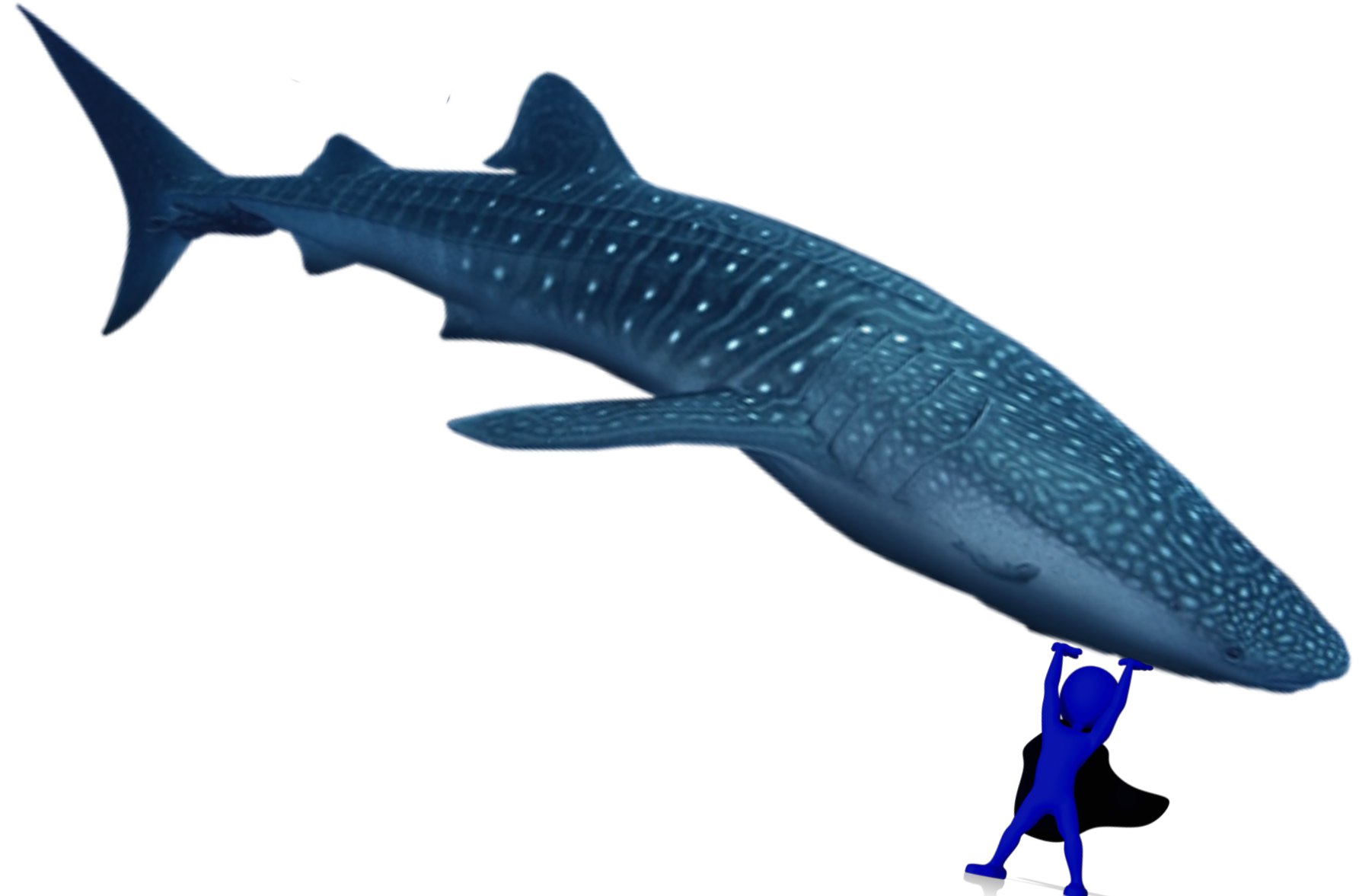
37 pounds
(17 kg)

A Hercules beetle weighs approximately 0.04 pounds, but can lift an amazing 37 pounds!

Imagine a sixth grader weighing 88 pounds were as strong as a Hercules beetle. How much weight could the sixth grader lift?

That would be like lifting a
65 foot Whale Shark!!!

Caroline hit 11 out of 13 free throws in a recent basketball game. If she makes free throws at this same rate all season, and shoots a total of 78 free throws, which of these proportions can we use to determine how many free throws she will make?

A $\dfrac{11}{78} = \dfrac{x}{13}$

B $\dfrac{x}{78} = \dfrac{13}{11}$

C $\dfrac{x}{78} = \dfrac{11}{13}$

Free throws made	Free throw attempts
11	13
x	78

A cricket chirps 6 times every 8 seconds. At that rate, how many times does the cricket chirp in 2 minutes?

It take 3 painters 4 hours to paint 1 classroom. How many hours does it take 1 painter to paint 2 classrooms of the same size as the first one. Assume all painters work at the same rate for the full time.