

Lines

8 pens cost \$4 more than 8 pencils. Harry paid \$18 for 4 pencils and 4 pens. What was the cost of a pencil? Explain your answer.

Angles

Blake bought 5 books and 9 file folders. He gave the cashier \$50 and received \$2.50 in change.

If each book cost \$6.35, what was the cost of each file folder?

Explain your answer.

Polygons

In 2002, Natalie Coughlin set a world record for the 100 meter backstroke with a time of 59.58 seconds. At the 2008 Summer Olympics, Kirsty Coventry set a new world record with a time of 58.77 seconds. What is the difference between the record set in 2002 and in 2008?